above ground storage tank air quality asbestos/lead-based paint baseline environmental assessment brownfield redevelopment building/infrastructure restoration caisson/piles coatings concrete construction materials services corrosion dewatering drilling due care analysis earth retention system environmental site assessment facility asset management failure analyses forensic engineering foundation engineering geodynamic/vibration geophysical survey geosynthetic greyfield redevelopment ground modification hydrogeologic evaluation industrial hygiene indoor air quality/mold instrumentation ISO14001 EMS masonry/stone metals nondestructive testing pavement evaluation/design property condition assessment regulatory compliance remediation risk assessment roof system management sealants/waterproofing settlement analysis slope stability storm water management structural steel/welding

underground storage tank

## PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

20830 RUTLAND DRIVE SOUTHFIELD, MICHIGAN

## Prepared for:

Restorative Rehab, LLC C/o Rehab Alliance 17330 Northland Park Ct., Suite 201 Southfield, MI 48075

SME Project Number: PE54232C-06

September 30, 2010





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September 30, 2010

Dr. Flora Dean, MD Restorative Rehab, LLC c/o Rehab Alliance 17330 Northland Park Court, Suite 201 Southfield, Michigan 48075

Phase I Environmental Site Assessment Report RE: Proposed Adult Day Care Center and Senior Housing 20830 Rutland Drive, Southfield, Michigan SME Project Number: PE54232C-06

Dear Dr. Dean:

Soil and Materials Engineers, Inc. (SME) has completed a Phase I Environmental Site Assessment (ESA) of the above referenced property, hereinafter referred to as the Property. The enclosed Phase I ESA report presents SME's interpretation of the observed conditions based on field observations, a review of readily available historical and regulatory records, and interviews.

The Phase I ESA was requested to identify recorded and readily observable recognized environmental conditions associated with the Property. SME understands Restorative Rehab, LLC will rely upon the professional opinions and representations contained in the report in accordance with the terms and conditions agreed upon for the project. This reliance is not to be construed as a warranty or guarantee on the part of SME.

Thank you for the opportunity to provide these services. If you have any questions concerning this report, or if additional services are required, please call.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.

Johnny B. Phanthala, E.I.T.

Staff Engineer

Debra K. Osuch, REM

Manager Development Services

Enclosures:

2 Reports and 1 CD

Distribution:

Rochelle Freeman, City of Southfield (2 CDs)

David Donnellon, AIA, Design Resources for Architecture, LLC (1 report)

T:\PROJ\54000\PE54232C-06-Phase I-093010.

**OFFICES** Indiana Michigan Ohio

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consultants in the geosciences, materials, and the environment

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#### 1.0 SUMMARY

SME performed a Phase I Environmental Site Assessment (ESA) of 20830 Rutland Drive, Southfield, Oakland County, Michigan, hereinafter referred to as "the Property," in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. The findings of SME's ESA are summarized below. A Property Location Map (Figure 1) is included in Appendix A.

The User of this Phase I ESA is Restorative Rehab, LLC. The User's representative provided information about some or all of the following issues in support of all appropriate inquiry into environmental conditions on the Property: 1) reason for this Phase I ESA; 2) environmental cleanup liens and activity/use limitations (AULs) recorded for the Property; 3) specialized knowledge and experience of the User indicative of potential RECs associated with the Property; 4) relationship of purchase price to market value; 5) commonly known or reasonably ascertainable information about environmental conditions on the Property; and 6) legal/administrative proceedings related to hazardous substances, petroleum products, or environmental compliance issues in, on or emanating from the Property.

SME reviewed the history of Property use, from the present back to the obvious first developed use of the Property or to 1940, whichever was earlier. It appeared that between 1937 and 1949 the Property was vacant land. By 1955 The Property appeared to be located on the southern portion of a large aggregate borrow pit. The use of the Property was likely a borrow pit used for fill on other surrounding construction projects. In 1961, the Property was depicted as vacant land. From the late 1950's to the early 1960's, the specific use of the Property was unknown. Between 1966 and the time of SME's Property reconnaissance, the Property was developed with the existing commercial office building and associated paved parking and landscape areas. Based on our research of local street directories dating back to 1973, the listed names of businesses which occupied the building included but were not limited to the following: Columbus Auto Parts and Transverse Title Insurance - during the 1970's; Associated Steel, Homemaker Shops, and Southfield Steel, Inc – during the 1980's; Kirk Engineering, Lutheran Child and Family Services, Associated Steel, and Southfield Steel, Inc. – during the 1990's; S&S Investment Corp., Southfield Steel Inc., and Select Mortgage - during the early 2000's; and Lighthouse Community Church of God, Metro Design Group, and Walker Collins & Associates - during the mid 2000's. At the time of SME's Property reconnaissance, the building was vacant. The use of the Property from the late 1950's to the early 1960's was unidentified, which represents a data gap and is discussed in Section 8.



SME conducted a site reconnaissance seeking visual evidence of suspect RECs on the Property and observable surrounding areas. SME observed a soil mound with sporadic patches of grass/weeds surrounded by concrete fragments, wooden boards, and household debris located east of the building.

SME interviewed the current owner of the Property and a representative of the City of Southfield Fire Prevention Bureau. No RECs were identified through these interviews.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- A soil mound of unknown content and origin with sporadic patches of grass/weeds surrounded by concrete fragments, wooden boards, and household debris located east of the building (Section 6.3.6).
- The unknown specific historical use of the Property by various tenants, such as in the auto parts and steel industry (Section 5.4.2).
- The possible presence of fill of unknown origin and content, which may have been used to fill in a former aggregate borrow pit on the Property (Sections 5.4.2 and 5.5).

The User acquiring the Property is the sole party responsible for complying with AAI requirements for Landowner Liability Protection (LLP) under CERCLA as an Innocent Purchaser, Bona Fide Prospective Purchaser, or Contiguous Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-05 Practice, may not be sufficient to provide CERCLA LLP.

SME's Project Team was as follows:

Preparer: Mr. Johnny B. Phanthala, E.I.T.

Environmental Professional (EP): Ms. Debra K. Osuch, R.E.M

Senior Technical Reviewer: Ms. Debra K. Osuch, REM

## 2.0 INTRODUCTION

SME performed a Phase I Environmental Site Assessment (ESA) of the property located at 20830 Rutland Drive in the city of Southfield, Oakland County, Michigan, hereinafter referred to as the Property. The Phase I ESA was conducted according to the ASTM International (ASTM) Practice E 1527-05 (Practice), which is accepted in the U.S. Environmental Protection Agency regulations as satisfying one component of the requirements of All Appropriate Inquiries (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA).

Satisfying AAI is one component of the requirements for a Prospective Purchaser to qualify for the Bona Fide Prospective Purchaser (BFPP), Contiguous Property Owner, or Innocent Landowner defense to CERCLA liability. For properties known to be contaminated with hazardous substances, or petroleum, the Prospective Purchaser also must comply with the continuing obligations defined in CERCLA to maintain the landowner liability protection (LLP) to CERCLA.

Dr. Flora Dean, MD, on behalf of Restorative Rehab, LLC (the User), authorized the conduct of this Phase I ESA to identify and evaluate potential environmental concerns associated with the Property prior to purchase of the Property. SME was retained to conduct this Phase I ESA in accordance with our August 24, 2010 Confirmation for Phase I ESA (PE54232C-06).

## 2.1 Purpose

The purpose of this Phase I ESA was to satisfy relevant AAI requirements for qualifying the User of this report for applicable landowner liability protections under CERCLA (42 U.S.C. 9601). One of the primary objectives was to identify recognized environmental conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s). The Practice defines a REC as:

...the presence or likely presence of any hazardous substances\* or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.



\*For the purposes of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Practice E 1527-05.

### 2.2 Detailed Scope of Services

This Phase I ESA was conducted in conformance with the ASTM Standard Practice on Environmental Site Assessments for Commercial Real Estate designation E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." This Phase I ESA does not address the non-scope considerations as defined by Section 13 of the Practice.

The Environmental Professional responsible for the conduct of this Phase I ESA was Ms. Debra K. Osuch, REM The site reconnaissance and interviews were performed by Mr. Johnny B. Phanthala, E.I.T. Resumes of Ms. Osuch and Mr. Phanthala are attached in Appendix F.

### 2.3 Significant Assumptions

Pursuant to the Practice, SME assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

## 2.4 Limitations and Exceptions

No limitations were encountered during site reconnaissance activities.

The Practice's scope of services was implemented.

#### 2.5 Special Terms and Conditions

No special terms and conditions were imposed on SME as part of this Phase I ESA.

#### 2.6 Reliance

SME has prepared this report to be used and relied upon solely and exclusively by Restorative Rehab, LLC (the User) in accordance with terms and conditions agreed upon for the project. No other party may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing.



#### 3.0 PROPERTY DESCRIPTION

The following are descriptions of the Property, uses and conditions of the Property, and uses of the adjoining sites at the time of this Phase I ESA.

## 3.1 Property Location and Legal Description

The Property was located at 20830 Rutland Drive, Southfield, Oakland County, Michigan. The legal description of the Property, tax identification number 24-36-377-015, is attached in Appendix C.

## 3.2 Property and Vicinity Characteristics

The Property consisted of approximately 0.85 acres of land developed with an approximately 20,000-square foot two-story vacant office-type building. The remainder of the Property was developed with paved parking and landscaped areas. The surrounding area was primarily commercial with some residential properties located to the north of the Property.

A current Property Features Diagram was developed from the observations, field notes, photographs, and/or historical information collected during conduct of this Phase I ESA. It is included as Figure 2 in Appendix A.

### 3.3 Current Use of the Property

At the time of SME's reconnaissance, the building on the Property was vacant and did not appear to be useable due to water damage and what appeared to be possible mold throughout most of the interior of the building. The building was connected to the following primary utilities: electricity, natural gas, and municipal water, sanitary sewer, and storm sewer.

### 3.4 Current Uses of the Adjoining Sites

Known current uses of adjoining sites are summarized in the following table:

Direction	Name Address	Activity
North	Residential properties	Residential
East	Vacant	Unknown
Southeast	Vacant	Unknown
South	Vacant	Unknown
Southwest	Vacant	Unknown
West	Northway Professional Building	Professional Offices
	17330 Northland Park Court	



#### 4.0 USER PROVIDED INFORMATION

As part of AAI the User has the statutory responsibility, above and beyond the Phase I ESA conducted under supervision of an EP, to provide information about the following issues in support of all appropriate inquiry into environmental conditions on the Property:

- Reason for this Phase I ESA:
- Environmental cleanup liens and activity/use limitations (AULs) recorded for the Property;
- Specialized knowledge and experience of the User indicative of potential RECs associated with the Property;
- Relationship of purchase price to market value;
- Commonly known or reasonably ascertainable information about environmental conditions on the Property; and
- Legal/administrative proceedings related to hazardous substances, petroleum products, or environmental compliance issues in, on or emanating from the Property.

The User information was provided through completion of the **User Questionnaire** attached in Appendix E. Information provided by Dr. Flora Dean, M.D. of Restorative Rehab, LLC is summarized in the following subsections.

#### 4.1 Reason for the Phase I ESA

Dr. Dean reported that the reason for this Phase I ESA of the Property was to support the User's all appropriate inquiry into environmental conditions of the Property, a component of the User's effort to qualify for one of the landowner liability protections to CERCLA applicable to the planned purchase of the Property.

# 4.2 Recorded Environmental Cleanup Liens and AULs

Dr. Dean reported that Powell Engineering was retained to review recorded county records on file with the County Clerk for Oakland County, Michigan, for the purpose of identifying recorded environmental cleanup liens and AULs related to the Property.

No recorded environmental cleanup liens or AULs related to the Property were reported by the User.



## 4.3 Specialized Knowledge and Experience

Dr. Dean reported having no specialized knowledge or experience that would indicate, or create suspicion of, the presence environmental contamination on the Property.

### 4.4 Relationship of Purchase Price to Value

Dr. Dean reported that the purchase price of the Property reflected fair market value.

### 4.5 Commonly Known or Reasonably Ascertainable Information

Dr. Dean reported that was aware of mold inside the building. However, she has not become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated or that any past event could have resulted in environmental impact of the Property or adjoining properties.

## 4.6 Proceedings Involving the Property

Dr. Dean, based on personal knowledge and experience related to the Property, reported no known pending, threatened, or past litigation, administrative proceedings, or violations of environmental laws and regulations related to hazardous substances or petroleum products in, on, or arising from the Property.



#### 5.0 RECORDS REVIEW

### 5.1 Environmental Record Sources

SME retained Environmental Data Resources, Inc. (EDR) to query the state, federal, and tribal regulatory agency lists of environmental sites identified in the Practice to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances. Results from the following databases were reported:

- 1. United States Environmental Protection Agency (USEPA) Superfund National Priority List 1-mile search distance. (NPL)
- 2. USEPA Superfund Delisted National Priority List 1/2-mile search distance. (NPL Delisted)
- 3. USEPA Superfund Comprehensive Environmental Response, Compensation and Liability Information System Hazardous Waste Sites 1/2-mile search distance. (CERCLIS)
- 4. USEPA Superfund CERCLIS Archive No Further Remedial Action Planned Sites 1/2-mile search distance. (CERCLIS-NFRAP)
- 5. Federal Resource Conservation and Recovery Information System (RCRIS) Corrective Action Facilities List 1-mile search distance. (CORRACTS)
- 6. USEPA RCRA Treatment Storage and Disposal Facilities List 1/2-mile search distance. (RCRA-TSD)
- 7. USEPA Federal Resource Conservation and Recovery Act of 1976 Large Quantity Generators (LQG), Small Quantity Generators (SQG), and Conditionally Exempt Generator (CEG) List for Michigan Property and adjoining sites. (RCRA-LQG / RCRA-SQG/RCRA-CESQG)
- 8. Federal Institutional Control / Engineering Control Registries Property only.
- 9. USEPA Emergency Response Notification System List Property only. (ERNS)
- 10. State / Tribal Sites of Environmental Contamination 1-mile search distance (State Contaminated Site or Tribal Contaminated Site)
- 11. State / Tribal Solid Waste Landfills 1/2-mile search distance. (State Landfill or Tribal Landfill)



- 12. State / Tribal Open and Closed Leaking Underground Storage Tank Sites 1/2-mile search distance. (State Open LUST/Closed LUST or Tribal Open LUST/Closed LUST)
- 13. State / Tribal Registered Underground Storage Tanks Property and adjoining sites. (State Registered UST or Tribal Registered UST)
- 14. State / Tribal Institutional Control / Engineering Control Registries Property only.
- 15. State / Tribal Voluntary Action/Cleanup Program Sites 1/2 mile search distance. (State VAP/VCP or Tribal VAP/VCP)
- 16. State / Tribal Brownfield Sites 1/2 mile search distance. (State Brownfield Site or Tribal Brownfield Site)
- 17. MDNRE Baseline Environmental Assessment List Property and adjoining sites. (BEA)

These information sources were available unless otherwise noted above. The EDR report includes site maps indicating the location of these listed sites relative to the Property, and dates the lists were updated. The EDR report is included in Appendix D.

A summary of those sites of concern, listed in the EDR report, that were determined by SME to be suspect RECs is presented in the table included in this subsection. Unmapped sites, as identified by EDR, are sites, which for various reasons cannot be mapped through the EDR query system. Where possible, SME attempted to locate the reported unmapped sites. Unmapped sites determined by SME to be within the applicable approximate minimum search distance(s) and to be suspect RECs are also included in the table. Based on distance from the Property, assumed local groundwater conditions and/or topography, and/or the reported status of the sites, the remaining sites do not appear to represent suspect RECs in connection with the Property. In SME's opinion, it was not necessary to review records for the listed sites.

#### LISTED SITES OF CONCERN (SUSPECT RECS)

Site Name and Address	Approximate Distance and Direction from Property <sup>1</sup>	Name of List <sup>2</sup>
Dickey P S Service	660 feet southeast	EDR Historical Auto
17101 West 8 Mile Road		Station

<sup>1</sup>EDR sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by EDR to better represent field conditions and potential site boundaries.

<sup>2</sup>Definitions of acronyms and lists are presented above and in the EDR report.



Neither the Property nor other sites within the specified approximate minimum search distances from the Property were identified as regulated and/or environmentally impacted sites. Based on the EDR report finding, Dickey P S Service was listed as a gasoline station in 1956. In SME's opinion, the potential impact to the Property from the former Dickey P S Service site appears remote. No monitoring wells were observed to indicate any potential groundwater impact had been delineated in the direction of the Property. Studies by the USEPA indicate that gasoline plumes typically do not extend more than 300 feet from the point of release, but this can vary depending on soil type. The former Dickey PS Service site is 660 feet from the Property. To our knowledge, the current Property owner has not been requested to evaluate indoor air at the building as it relates to the nearby former Dickey P S Service site. Therefore in SME's opinion, this site does not appear to represent a suspect REC in connection with the Property.

### 5.2 Additional Environmental Record Sources

### 5.2.1 County Environmental Health Department

On September 3, 2010, SME contacted the Oakland County Environmental Health Department via facsimile and requested all available information pertaining to environmental concerns associated with the Property and surrounding area, including information on septic systems and water wells, if any, located on the Property.

Mr. Richard C. Peresky, Senior Public Health Sanitarian indicated no records were available for the Property.

#### **5.2.2** Fire Department

On September 3, 2010, SME contacted the City of Southfield Fire Prevention Bureau via telephone and requested all available records associated with the Property and surrounding properties.

Ms. Tammy Alder, a representative with the City of Southfield Fire Prevention Bureau indicated no records were available for the Property.

## **5.2.3** MDNRE Geological Survey Division

SME queried the MDNRE-Geological Survey Division's (GSD) Oil and Gas Information System – Online Data Query for oil and gas permits/wells for the Property's township, range and section number.

According to the September 24, 2010 query results, no known oil and/or gas well permits were recorded for the Property section number.

#### 5.2.4 Other Record Sources

No other record sources were contacted as part of this Phase I ESA.

## 5.3 Physical Setting Source(s)

### 5.3.1 USGS – Current 7.5 Minute Topographic Map

SME reviewed a United States Geological Survey (USGS) topographic map to evaluate the physical setting of the Property. According to the USGS 7.5 minute series Topographic Map Royal Oak Quadrangle Wayne and Oakland Counties, Michigan, compiled in 1981, the Property was depicted as relatively flat at an elevation of approximately 670 feet to 680 feet above mean sea level (MSL). The Property was depicted with one building situated in a commercial area. No bodies of water were depicted within a one-mile radius of the Property.

### **5.3.2** Other Non-Practice Physical Setting Sources

SME completed a Geotechnical Evaluation Report dated April 20, 2010 of a site located approximately 0.9 miles northeast of the Property. The general soil profile on this site consisted of approximately five feet of sand/clay fills underlain by natural clay with varying sand, silt, and gravel content. Perched groundwater was generally observed at approximately six feet below grade.

## 5.4 Historical Use Information on the Property

The objective of consulting historical record sources is to develop a history of the Property's previous uses from the present back to the obvious first developed use of the Property or back to 1940, whichever was earlier. As defined in the Practice, "developed use" includes agricultural uses and placement of fill. The information reviewed was from reasonably ascertainable standard sources, defined in the Practice as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by the Practice, are described under each appropriate Practice historical source. The Practice requires review of only as many of the standard historical sources as are reasonably ascertainable and likely to be useful.

#### **5.4.1 Standard Historical Sources**

The sources reviewed to determine the historical uses of the Property and related environmental issues are summarized below. A summary of findings from these reviews is presented in section 5.4.2.



- Aerial Photographs: SME reviewed aerial photographs, obtained from EDR, dated 1937, 1940, 1949, 1955, 1961, 1972, 1980, 1993, 2000, and 2005.
- **Fire Insurance Maps:** According to EDR, no fire insurance maps for the Property were available.
- **Property Tax Files:** SME visited the City of Southfield Assessing Department and requested all available records pertaining to the Property. SME reviewed the provided records, which were comprised of tax assessment field sheets. In addition, SME reviewed available online Property information.
- Recorded Land Title Records: SME did not review land title records because information regarding the history of the Property was obtained from other historical sources identified herein. In addition, land title records typically provide information regarding ownership, but not use, of a property.
- USGS Topographic Maps: SME reviewed the USGS 7.5 minute series Topographic Map Royal Oak Quadrangle Wayne and Oakland Counties, Michigan, compiled in 1981.
- Local Street Directories: SME reviewed local street directories for the years 1973, 1974, 1979, 1984, 1989, 1994, 1999, 2005, and 2010 at the Michigan State Library in Lansing, Michigan and Southfield Library (2010).
- Building Department Records: SME visited the Southfield City Building Department and requested all available records pertaining to the Property. SME reviewed the provided records, which were comprised of building permits and a commercial & industrial field sheet.
- **Zoning/Land Use Records:** SME asked a building department representative of the Property's zoning ordinance. According to the building department representative, the Property was zoned ERO: Education Research Office.
- Other Historical Sources: SME did not review other historical sources because sufficient information regarding the history of the Property was obtained from the aforementioned historical sources.

## **5.4.2** Historical Usage Summary

A summary of historical usage of the Property, back to 1937, the date of earliest readily available records as described above, is presented in the following table:



#### HISTORICAL USAGE SUMMARY

Year / Period	Identified / Inferred Use	Source (Date)
1937-1940	The Property appeared to be grass-covered vacant land. The use of the Property was unknown.	Aerial Photographs (1937 and 1940)
1949	The northern portion of the Property appeared to be grass covered and the southern portion appeared to be exposed soil. The use of the Property was unknown.	Aerial Photograph
1955	The Property appeared to be located on the southern portion of a large aggregate borrow pit. The use of the Property was likely a borrow pit used for fill on other surrounding construction projects.	Aerial Photograph
1961	The Property appeared to be vacant land with exposed soil. The use of the Property was unknown.	Aerial Photograph
1966-2010	A two-story building was constructed on the Property.  A structure was depicted on the Property.  Property was developed with one structure in the southern portion with associated paved parking and landscape areas.  Multiple tenants were listed under the Property address between 1973 and 2010 (see below for summary of tenants and Property uses during this time period).	Tax Assessing Info Topographic Map (1981) Aerial Photographs (1972, 1980, 1993, 2000, and 2005) Local Street Directories (1973, 1974, 1979, 1984, 1989, 1994, 1999, 2005, and 2010)

Based on SME's review of historical information, it appeared that between 1937 and 1949 the Property was vacant land.

By 1955 The Property appeared to be located on the southern portion of a large aggregate borrow pit. The use of the Property was likely a borrow pit used for fill on other surrounding construction projects. In 1961, the Property was depicted as vacant land with exposed soil. The use of the Property from the late 1950s to the early 1960s was unknown.

Between 1966 and the time of SME's Property reconnaissance, the Property was developed with the existing commercial office building and associated paved parking and



landscape areas. Based on our research of local street directories dating back to 1973; the listed names of businesses which occupied the building included but were not limited to the following: Columbus Auto Parts and Transverse Title Insurance - during the 1970's; Associated Steel, Homemaker Shops, and Southfield Steel, Inc. – during the 1980's; Kirk Engineering, Lutheran Child and Family Services, Associated Steel, and Southfield Steel, Inc. – during the 1990's; S&S Investment Corp., Southfield Steel Inc., and Select Mortgage – during the early 2000's; and Lighthouse Community Church of God, Metro Design Group, and Walker Collins & Associates – during the mid 2000's. At the time of SME's Property reconnaissance, the building was vacant. The unknown specific use of the Property by various tenants, such as in the auto parts and steel industry, represents a suspect REC in connection with the Property.

Sometime between 1955 and 2005, the Property and surrounding areas were developed over what appeared to be an aggregate borrow pit. During development of these areas, fill soils were probably used to raise grades or fill in the former possible borrow pit. Fill soils of unknown origin during this time period have been known to contain high concentrations of heavy metals (i.e., foundry sand) and can potentially impact the Property. Therefore, in SME's opinion the possible presence of fill on the Property was identified as a suspect REC in connection with the Property. The use of the Property from the late 1950's to the early 1960's was not identified through the use of the above historical research sources. This represents a data gap that is discussed in Section 8.

The historical research reported above was sufficient to develop a history of the previous uses of the Property in order to help identify the likelihood of past uses having resulted in the creation of RECs in connection with the Property.

## 5.5 Historical Use Information on the Adjoining Sites

An attempt was made to assess the historical uses of adjoining sites by reviewing records referenced in Section 5.4. A summary of adjoining sites of concern (suspect RECs), as identified only to the extent that this information was revealed in the course of researching the Property itself, is presented in the table below:

Year / Period	Identified / Inferred Use (Relationship to Property)	Source (Date)
1955-2005	Adjoining sites were also located on a possible former borrow pit and have been developed as residential or commercial properties as indicated on aerial photographs between 1955 and 2005.	Aerial Photographs (1955, 1961, 1972, 1980, 1993, 2000, and 2005)



Phase I Environmental Site Assessment Report 20830 Rutland Drive, Southfield, Michigan

SME Project Number: PE54232C-06 September 30, 2010 – Page 15

Sometime between 1955 and 2005, the Property and surrounding areas were developed over what appeared to be an aggregate borrow pit. During development of these areas, fill soils were probably used to raise grades or fill in the former possible borrow pit. Fill soils of unknown origin during this time period have been known to contain high concentrations of heavy metals (i.e., foundry sand) and the potential for migration of impacted groundwater and/or soils onto the Property represents a suspect REC in connection with the Property.



#### 6.0 SITE RECONNAISSANCE

The site reconnaissance was conducted to identify evidence of the presence of suspect RECs in connection with the Property. Descriptions of the current Property use and conditions, including the use, storage, and/or treatment of hazardous substances and/or petroleum products and the generation, storage/accumulation, and/or disposal of chemical, petroleum or other contaminated wastes are presented in the following sections.

## 6.1 Methodology and Limitations

On September 8, 2010, Mr. Johnny B. Phanthala, E.I.T. of SME conducted a reconnaissance of the Property and observed Property conditions and features in an effort to identify RECs in connection with the Property. SME was unaccompanied during the interior building and exterior Property reconnaissance. However, Mr. Al Aceves, Executive Director with Cornerstone Development Authority (the Property owner) visited the site to unlock the west door. SME observed the Property exterior, boundaries, and the building interior. Photographs taken during the reconnaissance, which illustrate observed Property conditions and surrounding areas, are contained in Appendix B. No limitations were encountered during the reconnaissance.

### **6.2 General Property Setting**

The southern portion of the Property was developed with a vacant two-story multi-tenant commercial office building with a partial basement. The remaining portions of the Property were developed with asphalt parking areas or landscaped areas. The Property was adjoined by residential properties to the north, vacant paved asphalt lots with areas of grass adjoined to the east and south, and a professional office building adjoined to the west.

#### **6.3 Exterior Observations**

The two-story building was located on the southern portion of the Property. Paved parking areas were located on the north and south side of the building. The asphalt paved parking area displayed numerous cracks with grass growing through the pavement. Three wooden pallets with approximately 30 masonry blocks were stored east of the building. Household debris such as plastic, paper, and glass bottles were observed throughout the paved areas of the Property. During the Property reconnaissance, SME observed no evidence of stained soils or pavements, or areas of stressed vegetation. In addition, SME observed no evidence of septic systems or water supply wells on the Property.



## 6.3.1 Chemical Use and Storage

SME observed no exterior use and/or storage of chemicals.

#### 6.3.2 USTs/ASTs

SME observed no exterior evidence of USTs or ASTs.

## **6.3.3** PCB Containing Equipment

SME observed a pole-mounted transformer located along the south fence-line of the Property boundary. SME observed no visual evidence of a release around the pole on the ground. In SME's opinion, this does not represent a suspect REC in connection with the Property.

## 6.3.4 Pits, Ponds, and Lagoons

SME observed no visual evidence of pits, ponds, or lagoons.

### 6.3.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no exterior visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes.

#### **6.3.6** Other Exterior Features

SME observed a soil mound with sporadic patches of grass/weeds surrounded by concrete fragments, wooden boards, and household debris located east of the building. Please refer to Appendix B – Photographs for a photo of the observed soil mound. In SME's opinion, this represents a suspect REC in connection with the Property.

## **6.4 Interior Observations**

The building consisted of two stories above ground that encompassed approximately 10,000 square feet per floor and included an approximate 1,340-square foot partial basement. The building was constructed of concrete block walls on concrete floor slab. The building consisted of multiple office spaces ranging in size from approximately 10'x10' to 80'x 40', kitchens, and restrooms. The mechanical and electrical room was located in the basement. The basement was flooded in some areas. At the time of SME's reconnaissance, the building was vacant and appeared to have water damage.

## 6.4.1 Chemical Use and Storage



SME observed a one-gallon container of paint on the floor of an office on the lower level and one 5-gallon container of flooring adhesive on the floor of an office on the upper level. No staining around the containers of paint or floor adhesive was evident. A 20-gallon plastic container labeled sodium nitrite was present in the basement area. No staining or evidence of leakage from the container was observed. In SME's opinion, the chemical storage in the building was *de minimis* and did not represent a suspect REC in connection with the Property.

#### 6.4.2 USTs/ASTs

SME observed no evidence of USTs or ASTs in the building.

## **6.4.3 PCB Containing Equipment**

SME observed an air compressor in the basement. No visual evidence of a release near the air compressor was apparent.

### 6.4.4 Drains and Sumps

SME observed floor drains in the restrooms and the lower level kitchen of the building. The floor drains were connected to the municipal sanitary sewer.

## 6.4.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes, in the building.

## **6.4.6** Heating/Cooling

The building on the Property used a natural gas fueled heating and central air conditioning system.

#### **6.4.7** Other Interior Features

SME observed no visual evidence of other features indicative of suspect RECs in the building.

#### 6.5 Adjoining Sites Observations

SME observed adjoining sites from the Property boundaries and public right-of-ways for evidence of RECs. The reconnaissance did not include physically accessing the adjoining sites; therefore, SME was unable to view all portions of adjoining sites.

Residential properties adjoined the Property to the north, vacant paved asphalt lots with areas of grass adjoined to the east and south, and a professional office building adjoined to the west.



#### 7.0 INTERVIEWS

As part of the conduct of this Phase I ESA, SME interviewed the following pertinent individuals other than the User of this report:

- Current Property owner (or representative) Mr. Al Aceves, Executive Director of Cornerstone Development Authority
- State and/or local government officials Ms. Tammy Alder, representative with the City of Southfield Fire Prevention Bureau

## 7.1 Interviews with Owner/Site Manager/Occupant

A copy of SME's Property Owner/Occupant Questionnaire provided to Mr. Aceves is included in Appendix E. The Owner/Occupant Questionnaire was the primary source of interview information for this Phase I ESA. SME identified no RECs based on review of the Owner/Occupant Questionnaire.

In addition, SME interviewed the owner by the Owner/Occupant Questionnaire, seeking the following information:

- Whether the owner knew of existence of environmental reports and permits; UST, AST, and underground injection system registrations; material safety data sheets; community right-to-know plans; safety and spill prevention plans; hydrogeologic reports; notices of past or current violations of environmental laws; hazardous waste generator notices or reports; geotechnical studies; risk assessments; and, recorded activity and use limitations.
- If the owner had knowledge regarding historical use, occupants, and operations.
- Whether the owner knew of any pending, threatened, or past litigation and/or administrative proceedings; or governmental notices regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products in, on, or from the Property.

Mr. Aceves had no knowledge related to the above issues.

#### 7.2 Interviews with Local Government Officials

SME interviewed Ms. Tammy Alder, a representative with the City of Southfield Fire Prevention Bureau and requested all available information maintained by the department pertaining to environmental concerns associated with the Property and surrounding area. Ms. Alder indicated she was not aware of environmentally related incidents having occurred on the Property.

#### 7.3 Interviews with Others

No other interviews were performed as part of this Phase I ESA.



#### 8.0 FINDINGS AND OPINIONS

SME has completed a Phase I ESA of the Property located at 20830 Rutland Drive in Southfield, Oakland County, Michigan. At the time of SME's reconnaissance, the Property consisted of approximately 0.85 acres of land developed with an approximately 20,000-square foot two-story vacant building. The remainder of the Property was developed with paved parking and landscaped areas. Data failures, data gaps, and limitations identified during this Phase I ESA are discussed below.

Based on the results of the Phase I ESA, in SME's opinion, the following suspect RECs were identified in connection with the Property:

- SME observed a soil mound with sporadic patches of grass/weeds surrounded by concrete fragments, wooden boards, and household debris located east of the building (Section 6.3.6). Due to the unknown origin and content of the soil mound on the Property, in SME's opinion, this represents a REC in connection with the Property.
- Based on our research of local street directories dating back to 1973; the listed names of businesses which occupied the building included but were not limited to the following: Columbus Auto Parts and Transverse Title Insurance during the 1970's; Associated Steel, Homemaker Shops, and Southfield Steel, Inc. during the 1980's; Kirk Engineering, Lutheran Child and Family Services, Associated Steel, and Southfield Steel, Inc. during the 1990's; S&S Investment Corp., Southfield Steel Inc., and Select Mortgage during the early 2000's; and Lighthouse Community Church of God, Metro Design Group, and Walker Collins & Associates during the mid 2000's (Section 5.4.2). The specific use of the Property by tenants including Columbus Auto Parts, Associated Steel and Southfield Steel, Inc. is unknown. However, it is common that businesses in the auto parts and steel industry use and store hazardous chemicals and/or petroleum products. As such, in SME's opinion, the unknown specific historical use of the Property by various tenants, such as in the auto parts and steel industry, represents a REC in connection with the Property
- Sometime between 1955 and 2005, the Property and surrounding areas were developed over what appeared to be an aggregate borrow pit (Sections 5.4.2 and 5.5). During development of these areas, fill soils were probably used to raise grades or fill in the former possible borrow pit. Fill soils of unknown origin during this time period have been known to contain high concentrations of heavy metals (i.e., foundry sand) and can potentially impact the Property. Therefore, in SME's opinion, the possible presence of fill on the Property represents a REC in connection with the Property.



Phase I Environmental Site Assessment Report 20830 Rutland Drive, Southfield, Michigan

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SME identified the unknown use of the Property from the late 1950's to the early 1960's as a data gap in connection with this Phase I ESA. In SME's opinion, this data gap impaired out ability to evaluate the potential for environmental impact related to past uses of the Property.

SME identified no limitations in connection with this Phase I ESA.



#### 9.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 20830 Rutland Drive, Southfield, Oakland County, Michigan, the Property. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- A soil mound of unknown content and origin with sporadic patches of grass/weeds surrounded by concrete fragments, wooden boards, and household debris located east of the building (Section 6.3.6).
- The unknown specific historical use of the Property by various tenants, such as in the auto parts and steel industry (Section 5.4.2).
- The possible presence of fill of unknown origin and content, which may have been used to fill in a former aggregate borrow pit on the Property (Sections 5.4.2 and 5.5).

In SME's opinion the unknown use of the Property from the late 1950's to the early 1960's impaired our ability to evaluate the potential for environmental impact related to past uses of the Property.

The User acquiring the Property is the sole party responsible for complying with AAI requirements for Landowner Liability Protection (LLP) under CERCLA as an Innocent Purchaser, Bona Fide Prospective Purchaser, or Contiguous Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-05 Practice, may not be sufficient to provide CERCLA LLP.



#### 10.0 DEVIATIONS

No deviations occurred as part of this Phase I ESA.

#### 11.0 ADDITIONAL SERVICES

No additional services were provided in conjunction with this Phase I ESA.

#### 12.0 REFERENCES

ASTM International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, November 1, 2005.



#### 13.0 GENERAL COMMENTS

SME conducted this Phase I ESA to identify RECs in connection with the Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate inquiry was made into the past uses of the Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface evaluation for this assessment.

Due to unknown or latent conditions on the Property, or on adjacent or nearby properties, which may become evident in the future, SME does not represent the Property is free of contamination or hazardous waste material. It should also be noted the Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in SME's General Conditions (01/09).



SME Project Number: PE54232C-06

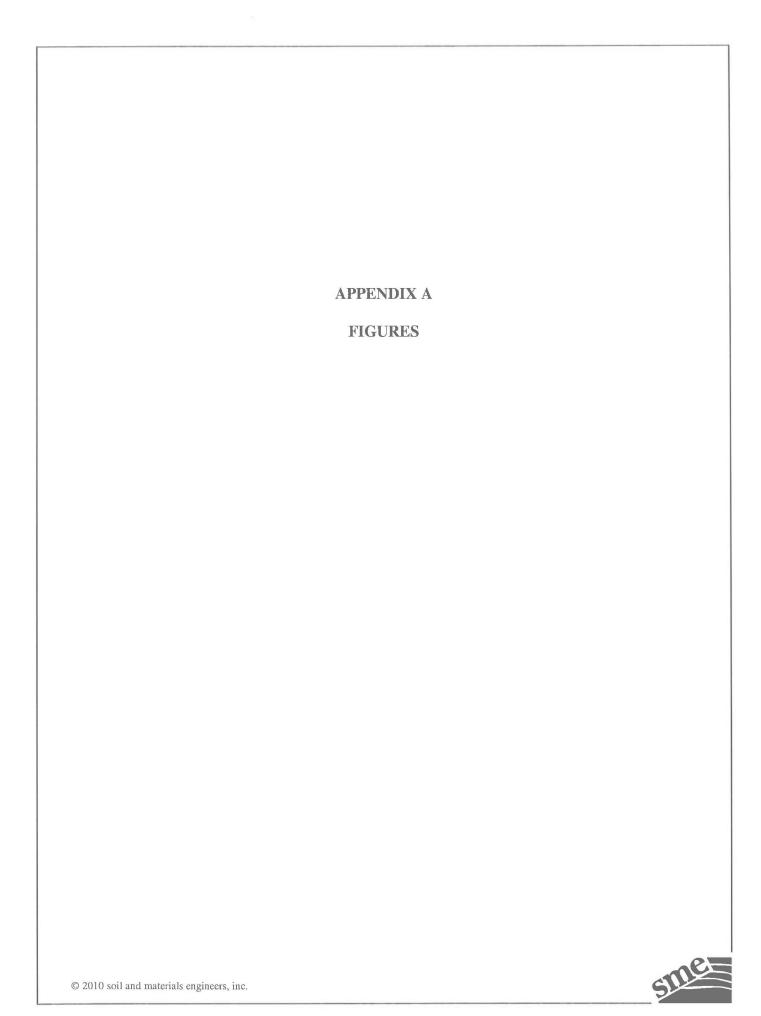
September 30, 2010

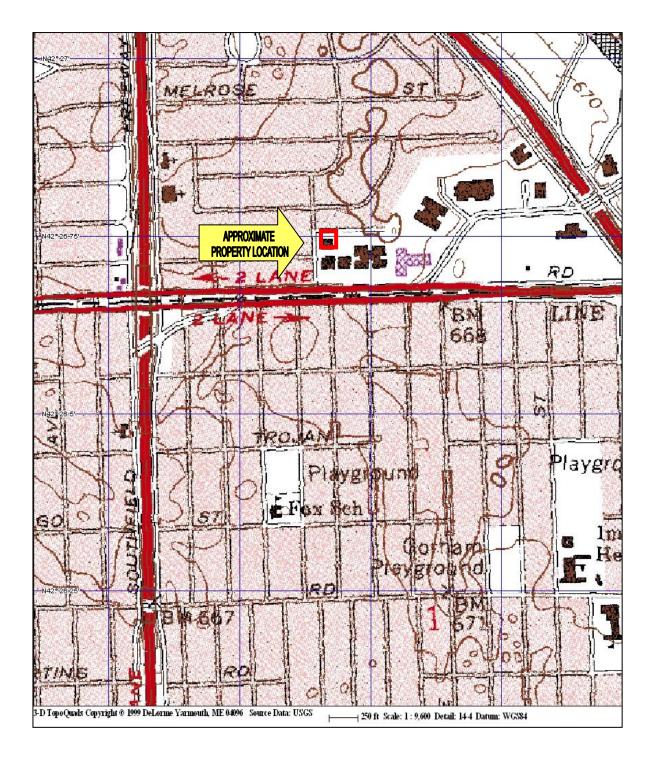
## SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the Practices and practices set forth in 40 CFR Part 312.

Debra K. Osuch, REM

Osuch





ROYAL OAK QUADRANGLE (1981) WAYNE and OAKLAND COUNTIES, MICHIGAN



#### DELORME 3D TOPO QUADS ON CD



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GRAND RAPIDS
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KALAMAZOO
LANSING
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SHELBY
TOLEDO
TRAVERSE CITY

DATE: 9/13/10

DRAWN BY: KLL

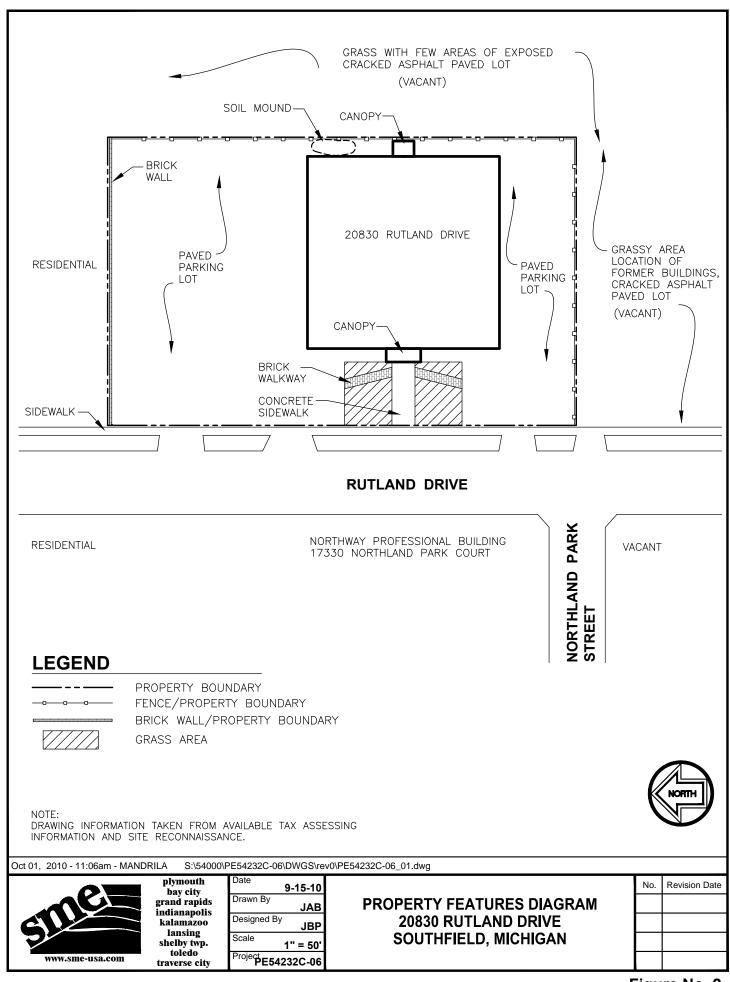
SCALE: AS SHOWN

JOB: PE54232C-06

## PROPERTY LOCATION MAP

20830 Rutland Drive Southfield, Michigan

FILE NAME: T:\PROJ\54000\PE54232C-06\PE54232C-06-TOPOMAP.DOC







**PHOTO NO. 1:** West side of building on Property, taken from across Rutland Drive looking east.



**PHOTO NO. 2:** North parking lot area and northwest corner of building on Property, taken from northwest corner of Property facing southeast.

SME Project No.: PE54232C-06
Photographs by: Johnny Phanthala

Date: 9/8/10

Project: 20830 Rutland Drive Location: Southfield, Michigan



**PHOTO NO. 3:** South parking lot area and southwest corner of building on Property, taken from southwest corner of Property facing northeast.



**PHOTO NO. 4:** View of the southern portion of the Property looking west, from the southeastern portion of the Property.

SME Project No.: PE54232C-06
Photographs by: Johnny Phanthala

Date: 9/8/10

Project: 20830 Rutland Drive Location: Southfield, Michigan



**PHOTO NO. 5:** East side of building on Property, taken from east portion of property facing northwest.



**PHOTO NO. 6:** Soil mound and debris east of the building.

SME Project No.: PE54232C-06
Photographs by: Johnny Phanthala

Date: 9/8/10

Project: 20830 Rutland Drive Location: Southfield, Michigan



**PHOTO NO. 7:** Vacant land (south adjoining site) taken from southern portion of Property.



**PHOTO NO. 8:** Vacant land (southeast adjoining site) taken from southeast portion of Property.

Date: 9/8/10



**PHOTO NO. 9:** Vacant land (east adjoining site) taken from east portion of Property.



**PHOTO NO. 10:** Residential area behind brick wall (north adjoining site) taken from east portion of Property facing north.

Date: 9/8/10



**PHOTO NO. 11:** Residence at northwest adjoining site, taken from northwest portion of Property.



**PHOTO NO. 12:** Northway Professional Building (west adjoining site) taken from western portion of Property looking west across Rutland Drive.

Date: 9/8/10



**PHOTO NO. 13:** Vacant land (southwest adjoining site) taken from southwest corner of Property.



**PHOTO NO. 14:** Foyer area near west entrance of building.

Date: 9/8/10



**PHOTO NO. 15:** Office spaces on main level.



**PHOTO NO. 16:** Office space near northwest corner of building on main level.

Date: 9/8/10



**PHOTO NO. 17:** Former church auditorium area on main level.



PHOTO NO. 18: Women's restroom on main level.

Date: 9/8/10

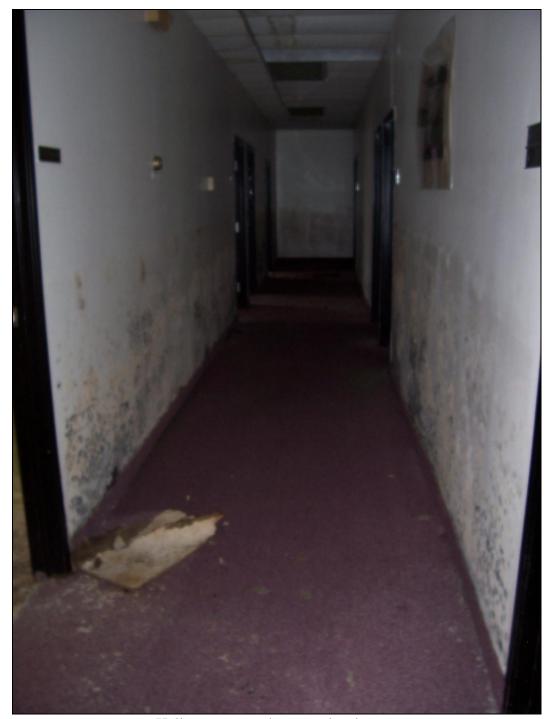


**PHOTO NO. 19:** Kitchen area near the northeast corner of building on main level.



PHOTO NO. 20: Kitchen area on the upper level.

Date: 9/8/10



Hallway area on the upper level. **PHOTO NO. 21:** 

**SME Project No.:** PE54232C-06

Photographs by: Date: Johnny Phanthala

9/8/10

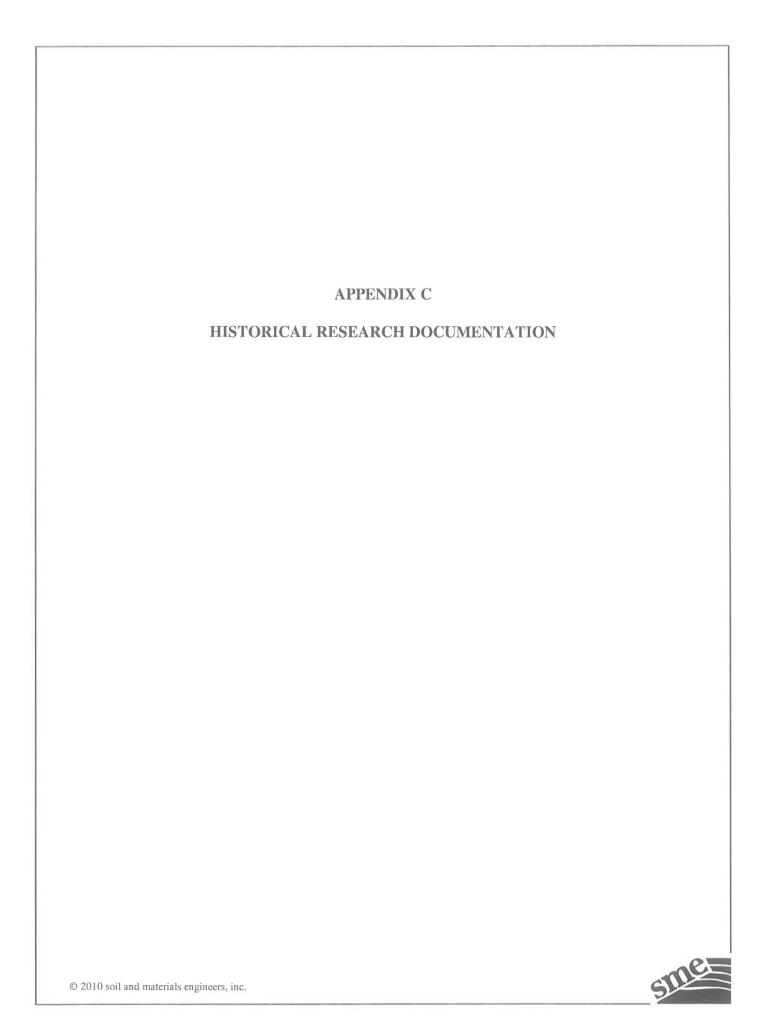


**PHOTO NO. 22:** Office space on upper level.

SME Project No.: Photographs by: Date: PE54232C-06 Johnny Phanthala

9/8/10

Project: Location: 20830 Rutland Drive Southfield, Michigan



# 20830 Rutland Drive

20830 Rutland Drive Southfield, MI 48075

Inquiry Number: 2862018.3

September 03, 2010

# **Certified Sanborn® Map Report**



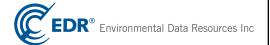
# **Certified Sanborn® Map Report**

9/03/10

Site Name: Client Name:

20830 Rutland DriveSoil & Materials Engineers20830 Rutland Drive2663 Eaton Rapids RoadSouthfield, MI 48075Lansing, MI 48911

EDR Inquiry # 2862018.3 Contact: Johnny Phanthala



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#### Certified Sanborn Results:

Site Name: 20830 Rutland Drive Address: 20830 Rutland Drive City, State, Zip: Southfield, MI 48075

**Cross Street:** 

**P.O.** # NA

**Project:** PE54232C-06 **Certification #** 08A7-4190-B806

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This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification # 08A7-4190-B806

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✓ Library of Congress

✓ University Publications of America

▼ EDR Private Collection

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# 20830 Rutland Drive

20830 Rutland Drive Southfield, MI 48075

Inquiry Number: 2862018.4

September 08, 2010

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

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# **Date EDR Searched Historical Sources:**

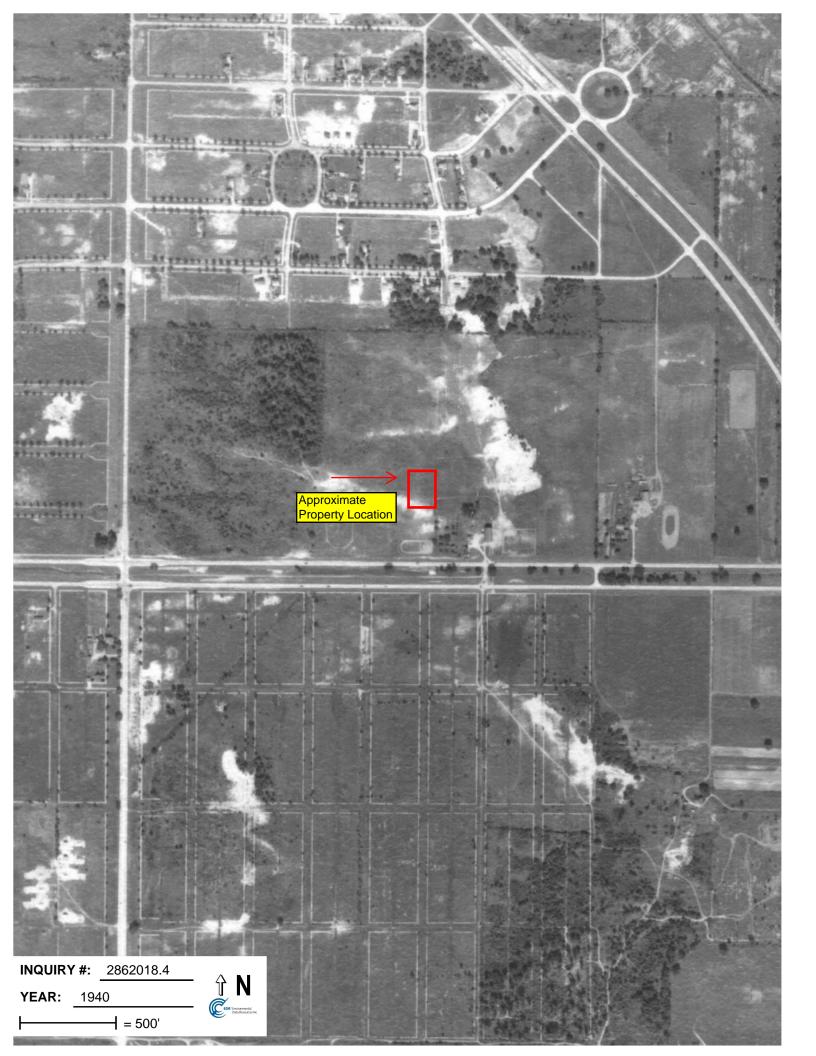
Aerial Photography September 08, 2010

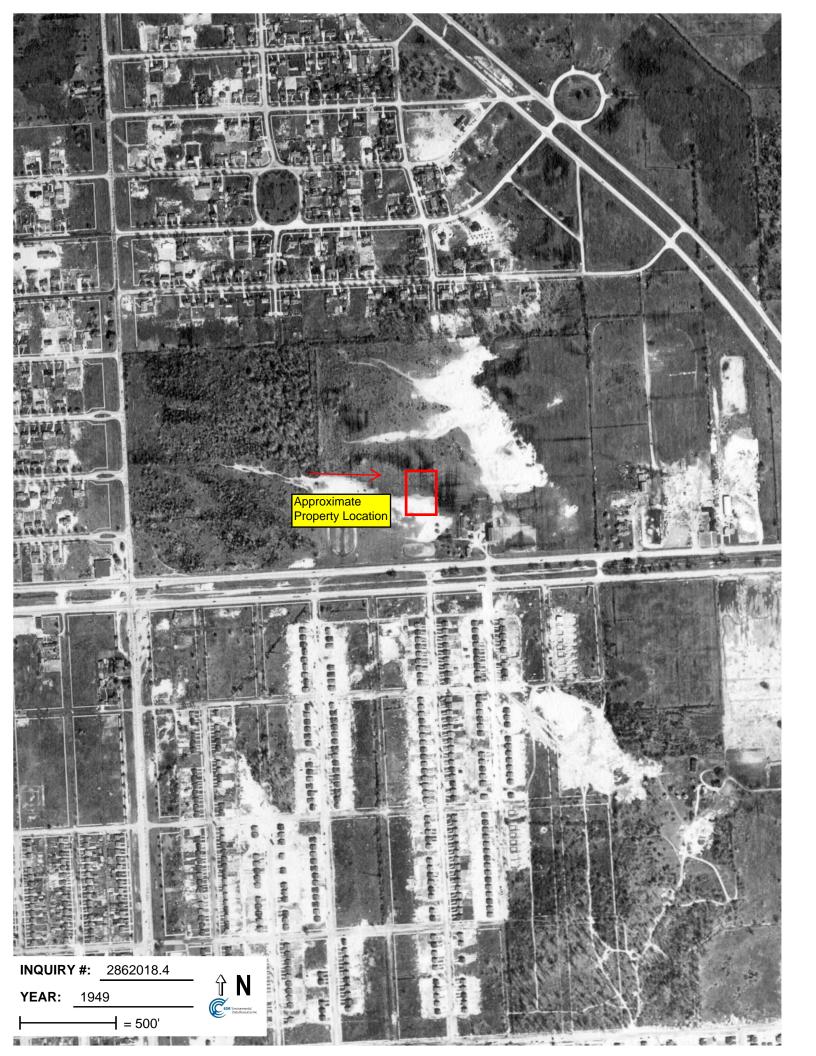
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20830 Rutland Drive Southfield, MI 48075

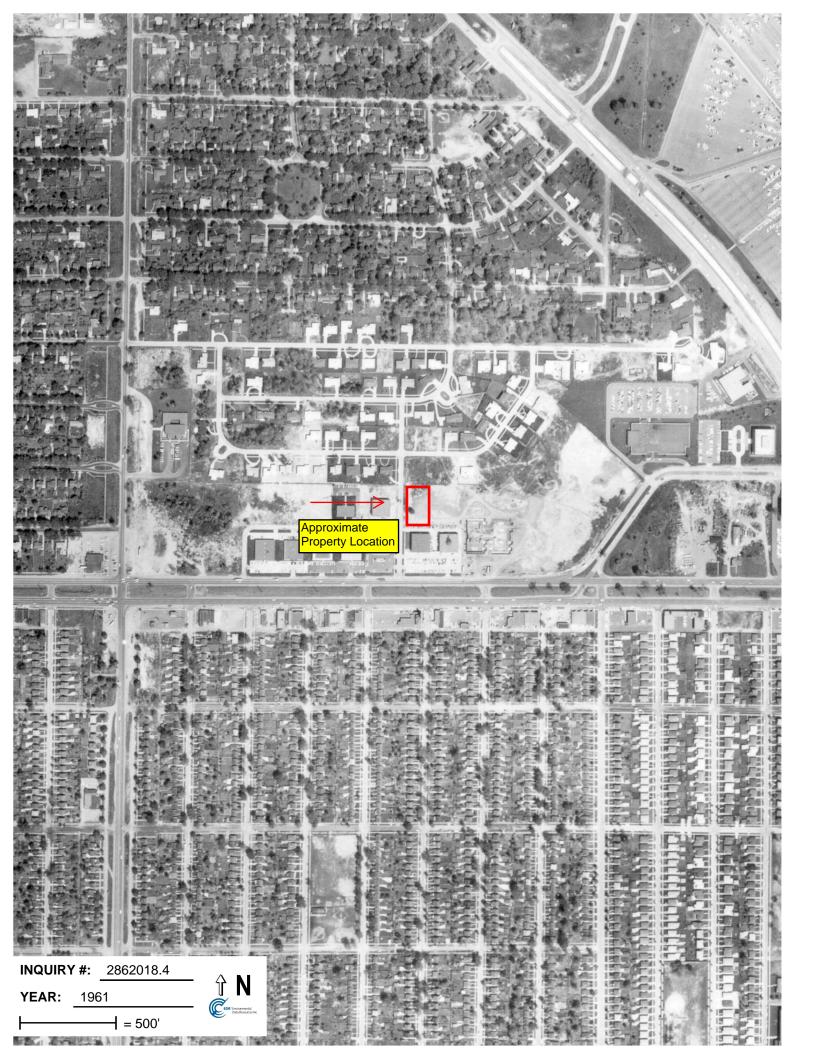
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1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	Detroit Edison
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	SEMCOG
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
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2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR





















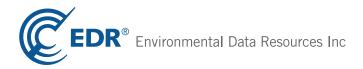


**20830 Rutland Drive** 20830 Rutland Drive Southfield, MI 48075

Inquiry Number: 2862018.2s

September 03, 2010

# The EDR Radius Map™ Report with GeoCheck®



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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

20830 RUTLAND DRIVE SOUTHFIELD, MI 48075

#### **COORDINATES**

Latitude (North): 42.445800 - 42° 26' 44.9" Longitude (West): 83.214400 - 83° 12' 51.8"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 317885.1 UTM Y (Meters): 4701436.5

Elevation: 672 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-D2 ROYAL OAK, MI

Most Recent Revision: 1996

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 2006, 2005 Source: USDA

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	National Priority List

Proposed NPL..... Proposed National Priority List Sites NPL LIENS..... Federal Superfund Liens Federal Delisted NPL site list Delisted NPL..... National Priority List Deletions Federal CERCLIS list CERCLIS.... FEDERAL FACILITY..... Federal Facility Site Information listing Federal CERCLIS NFRAP site List CERC-NFRAP..... CERCLIS No Further Remedial Action Planned Federal RCRA CORRACTS facilities list CORRACTS..... Corrective Action Report Federal RCRA non-CORRACTS TSD facilities list RCRA-TSDF...... RCRA - Treatment, Storage and Disposal Federal RCRA generators list RCRA-LQG...... RCRA - Large Quantity Generators RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator Federal institutional controls / engineering controls registries US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent CERCLIS SHWS...... Contaminated Sites State and tribal landfill and/or solid waste disposal site lists SWF/LF..... Solid Waste Facilities Database State and tribal leaking storage tank lists INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists UST...... Underground Storage Tank Facility List AST..... Aboveground Tanks

INDIAN UST...... Underground Storage Tanks on Indian Land FEMA UST...... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODI\_\_\_\_\_ Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

DEL SHWS...... Delisted List of Contaminated Sites

CDL...... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

LIENS.....Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS Pollution Emergency Alerting System

Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

TRIS...... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

PADS...... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

FINDS..... Facility Index System/Facility Registry System RAATS...... RCRA Administrative Action Tracking System ...... Underground Injection Wells Database

DRYCLEANERS..... Drycleaning Establishments

NPDES.....List of Active NPDES Permits AIRS..... Permit and Emissions Inventory Data

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

PCB TRANSFORMER PCB Transformer Registration Database

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

COAL ASH DOE..... Sleam-Electric Plan Operation Data

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants EDR Historical Cleaners EDR Proprietary Historic Dry Cleaners

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

#### STANDARD ENVIRONMENTAL RECORDS

#### State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 05/21/2010 has revealed that there are 4

LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOME DEPOT USA INC Facility Status: Closed Facility Status: Closed	16400 W 8 MILE RD	E 1/4 - 1/2 (0.382 mi.)	B6	12
Lower Elevation	Address	Direction / Distance	Map ID	Page
SIMON STORES CORP Facility Status: Closed Facility Status: Closed *Additional key fields are available	20705 SOUTHFIELD  in the Map Findings section	WSW 1/4 - 1/2 (0.303 mi.)	4	11
MOBIL Facility Status: Open Facility Status: Open	18111 WEST 8 MILE RD	WSW 1/4 - 1/2 (0.322 mi.)	5	11
R & T MINI MART INC Facility Status: Open Facility Status: Open	18321 W 8 MILE RD	WSW 1/4 - 1/2 (0.461 mi.)	8	15

#### State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 07/02/2010 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance Map	ID Page
R & T MINI MART INC	18321 W 8 MILE RD	WSW 1/4 - 1/2 (0.461 mi.) 8	15

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BDW DESIGNS INC	16250 NORTHLAND DR	E 1/8 - 1/4 (0.238 mi.)	A2	7
VUCOM DATA SERVICE	16250 NORTHLAND DR	E 1/8 - 1/4 (0.238 mi.)	A3	9

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 05/27/2010 has revealed that there is 1 BEA site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOME DEPOT	16400 WEST 8 MILE ROAD	E 1/4 - 1/2 (0.382 mi.)	B7	14

### **EDR PROPRIETARY RECORDS**

## **EDR Proprietary Records**

EDR Historical Auto Stations: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there is 1 EDR Historical Auto Stations site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DICKEY P S SERVICE	17101 W 8 MILE RD	SE 0 - 1/8 (0.125 mi.)	1	7

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
-----------	-------------

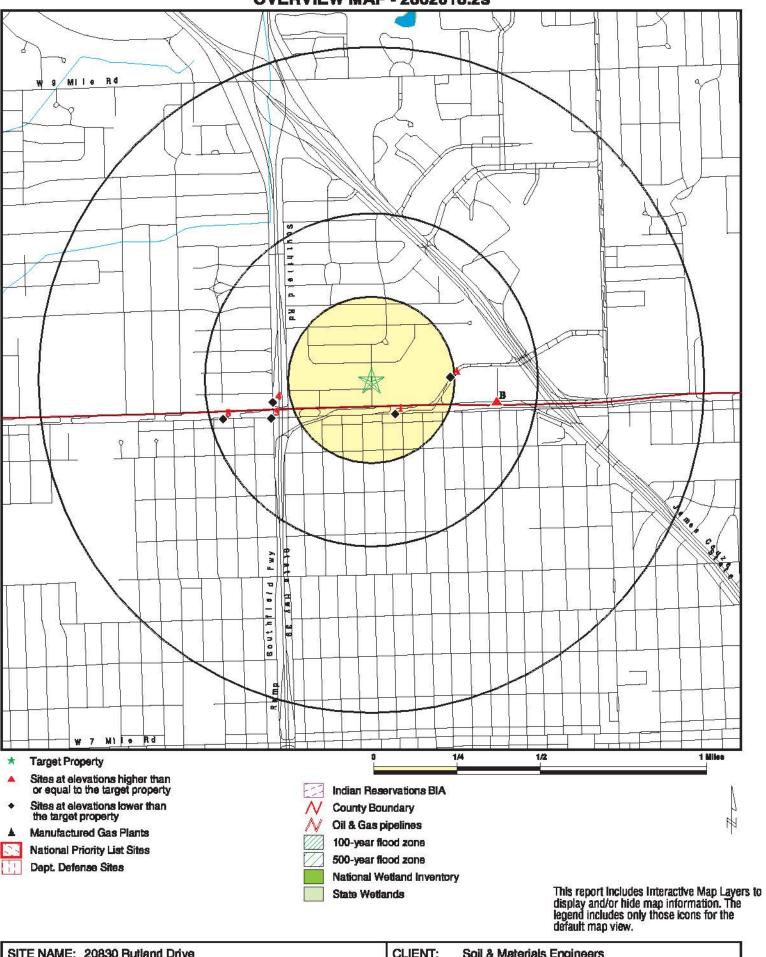
DETROIT ARTILLERY ARMORY
SPECIAL MACHINE & ENG. (ARLINGTON
MOBIL STATION #03LY8
23201 8 MILE RD
10 RAMP UNDER 9 MILE RD
10 RAMP H OVER
USHY 10 RAMP UNDERNB
USHY 10 RAMP SBFROM
15000 8 MILE
WOODS BROKERAGE
MI DEPT/TRANSPORTATION

21100 COOLIDGE HOLDINGS, LLC

SHWS
LUST, UST
RCRA-NonGen
RCRA-NonGen, FINDS
RCRA-NonGen, FINDS
RCRA-NonGen, FINDS
RCRA-CESQG, FINDS
RCRA-CESQG
RCRA-CESQG
BEA

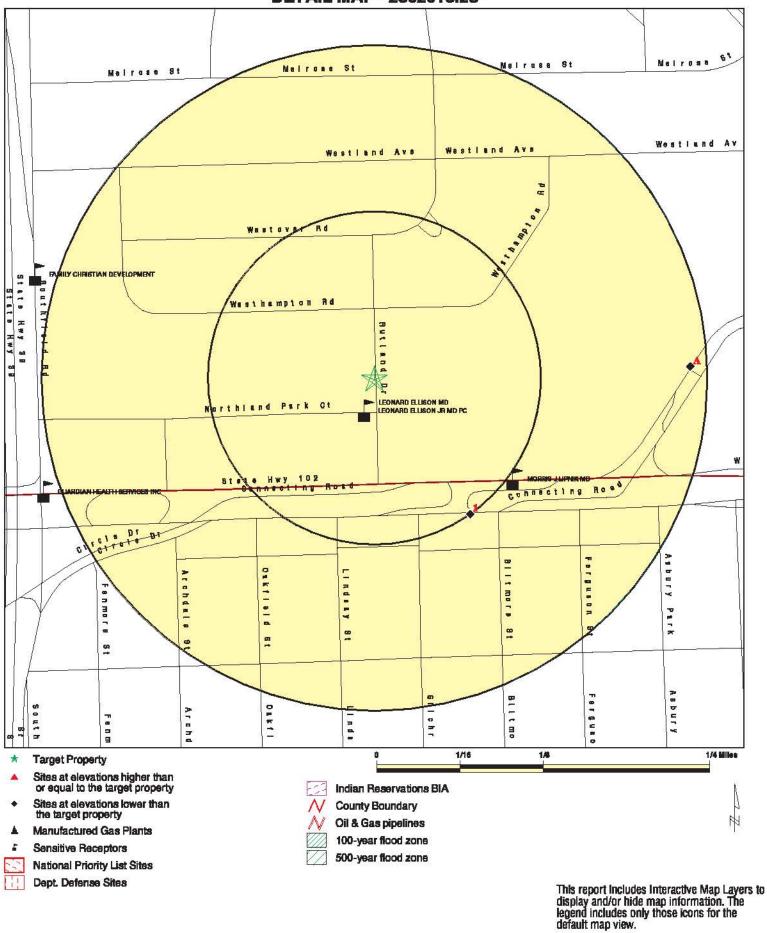
SHWS

# **OVERVIEW MAP - 2862018.2s**



SITE NAME: 20830 Rutland Drive
ADDRESS: 20830 Rutland Drive CLIENT: Soil & Materials Engineers
CONTACT: Johnny Phanthala
INQUIRY #: 2862018.2s
LAT/LONG: 42.4458 / 83.2144
DATE: September 03, 2010 10:09 am

## **DETAIL MAP - 2862018.2s**



SITE NAME: 20830 Rutland Drive
ADDRESS: 20830 Rutland Drive
Southfield MI 48075
LAT/LONG: 42.4458 / 83.2144

CLIENT: Soil & Materials Engineers
CONTACT: Johnny Phanthala
INQUIRY #: 2862018.2s
DATE: September 03, 2010 10:09 am

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted	
STANDARD ENVIRONMENT	AL RECORDS								
Federal NPL site list									
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0	
Federal Delisted NPL site list									
Delisted NPL		1.000	0	0	0	0	NR	0	
Federal CERCLIS list									
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0 0	0 0	NR 0	NR NR	0 0	
Federal CERCLIS NFRAI	P site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0	
Federal RCRA CORRACTS facilities list									
CORRACTS		1.000	0	0	0	0	NR	0	
Federal RCRA non-CORRACTS TSD facilities list									
RCRA-TSDF		0.500	0	0	0	NR	NR	0	
Federal RCRA generator	s list								
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Federal institutional controls / engineering controls registries									
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal ERNS list									
ERNS		TP	NR	NR	NR	NR	NR	0	
State- and tribal - equivalent CERCLIS									
SHWS		1.000	0	0	0	0	NR	0	
State and tribal landfill a solid waste disposal site									
SWF/LF		0.500	0	0	0	NR	NR	0	
State and tribal leaking storage tank lists									
LUST INDIAN LUST		0.500 0.500	0 0	0 0	4 0	NR NR	NR NR	4 0	
State and tribal registered storage tank lists									
UST	-	0.250	0	0	NR	NR	NR	0	

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
AST INDIAN UST FEMA UST		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0	
State and tribal institutional control / engineering control registries									
AUL		0.500	0	0	1	NR	NR	1	
State and tribal voluntary cleanup sites									
INDIAN VCP		0.500	0	0	0	NR	NR	0	
State and tribal Brownfie	elds sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0	
ADDITIONAL ENVIRONMEN	ITAL RECORDS	S							
		_							
Local Brownfield lists									
US BROWNFIELDS		0.500	0	0	0	NR	NR	0	
Local Lists of Landfill / S Waste Disposal Sites	Solid								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0	
ODI HIST LF		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0	
INDIAN ODI		0.500	0	0	0	NR	NR	0	
Local Lists of Hazardous Contaminated Sites	s waste /								
US CDL		TP	NR	NR	NR	NR	NR	0	
DEL SHWS CDL		1.000 TP	0 NR	0 NR	0 NR	0 NR	NR NR	0 0	
US HIST CDL		TP	NR	NR	NR	NR	NR	0	
Local Land Records									
LIENS 2		TP	NR	NR	NR	NR	NR	0	
LUCIS LIENS		0.500 TP	0 NR	0 NR	0 NR	NR NR	NR NR	0 0	
Records of Emergency Release Reports									
HMIRS SPILLS	·	TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0	
Other Ascertainable Records									
RCRA-NonGen		0.250	0	2	NR	NR	NR	2	
DOT OPS DOD		TP 1.000	NR 0	NR 0	NR 0	NR 0	NR NR	0 0	
FUDS		1.000	0	0	0	0	NR	0	
CONSENT ROD		1.000 1.000	0	0 0	0 0	0 0	NR NR	0 0	
UMTRA		0.500	0	0	0	NR	NR	0	

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO FINDS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0
RAATS		TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
UIC		TP	NR	NR	NR NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	0	1	NR	NR	1
INDIAN RESERV		1.000	Ö	Ö	0	0	NR	Ô
SCRD DRYCLEANERS		0.500	0	Ō	0	NR	NR	Ō
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	Ō
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECOR	<u>DS</u>							
EDR Proprietary Records	;							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
<b>EDR Historical Auto Station</b>	าร	0.250	1	0	NR	NR	NR	1
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**DICKEY P S SERVICE EDR Historical Auto Stations** 1009488136 N/A

SE 17101 W 8 MILE RD < 1/8 **DETROIT, MI** 

0.125 mi. 660 ft.

**EDR Historical Auto Stations:** Relative:

DICKEY P S SERVICE Lower

Year: 1956

Actual: Type: **GASOLINE STATIONS** 671 ft.

**BDW DESIGNS INC A2** RCRA-NonGen 1000828092 16250 NORTHLAND DR MID985651488 **East FINDS** 

1/8-1/4 SOUTHFIELD, MI 48075

0.238 mi.

Actual:

670 ft.

1254 ft. Site 1 of 2 in cluster A

RCRA-NonGen: Relative:

Date form received by agency: 09/17/1998 Lower

> Facility name: **BDW DESIGNS INC** Facility address: 16250 NORTHLAND DR

SOUTHFIELD, MI 48075

EPA ID: MID985651488 Contact: MICHAEL STUTZ Contact address: 16250 NORTHLAND DR

SOUTHFIELD, MI 48075

Contact country: Not reported (313) 443-0820 Contact telephone: Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

WYSNER BELINDA Owner/operator name:

Owner/operator address: Not reported

Not reported Not reported

Owner/operator country: Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 01/01/1970 Owner/Op end date: Not reported

WYSNER BELINDA Owner/operator name:

Owner/operator address: Not reported Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1970 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Map ID MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

### **BDW DESIGNS INC (Continued)**

1000828092

**EDR ID Number** 

Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats

Accumulated waste on-site: No Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY

Accumulated waste on-site: No Generated waste on-site: No

Waste type: MERCURY THERMOMETERS

Accumulated waste on-site: No Generated waste on-site: No

Waste type: MERCURY SWITCHES

Accumulated waste on-site: No Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/10/1992

Facility name: BDW DESIGNS INC Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003674970

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

### **BDW DESIGNS INC (Continued)**

1000828092

**EDR ID Number** 

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

А3 **VUCOM DATA SERVICE** RCRA-NonGen 1001232494 East 16250 NORTHLAND DR **FINDS** MIR000011270

1/8-1/4 SOUTHFIELD, MI 48075

0.238 mi.

1254 ft. Site 2 of 2 in cluster A

RCRA-NonGen: Relative:

Date form received by agency: 09/17/1998 Lower

**VUCOM DATA SERVICE** Facility name: Actual: 16250 NORTHLAND DR Facility address: 670 ft. SOUTHFIELD, MI 48075

> EPA ID: MIR000011270 Contact: TONY MULLINS

Contact address: 16250 NORTHLAND DR

SOUTHFIELD, MI 48075

Contact country: Not reported Contact telephone: (248) 552-9255 Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

**VUCOM DATA SVC** Owner/operator name:

Owner/operator address: Not reported Not reported

Not reported

Owner/operator country: Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 01/01/1970 Owner/Op end date: Not reported

**VUCOM DATA SVC** Owner/operator name:

Owner/operator address: Not reported

> Not reported Not reported

Not reported Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/1970 Owner/Op end date: Not reported

Handler Activities Summary:

Owner/operator country:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Map ID MAP FINDINGS

Elevation Site

Distance

Database(s)

### **VUCOM DATA SERVICE (Continued)**

1001232494

**EDR ID Number** 

**EPA ID Number** 

Used oil fuel burner:

Used oil processor:

User oil refiner:

Used oil fuel marketer to burner:

Used oil Specification marketer:

Used oil transfer facility:

Used oil transporter:

No

No

Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats

Accumulated waste on-site: No Generated waste on-site: No

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY

Accumulated waste on-site: No Generated waste on-site: No

Waste type: MERCURY THERMOMETERS

Accumulated waste on-site: No Generated waste on-site: No

Waste type: MERCURY SWITCHES

Accumulated waste on-site: No Generated waste on-site: No

Historical Generators:

Date form received by agency: 12/15/1995

Facility name: VUCOM DATA SERVICE

Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009394556

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

4 SIMON STORES CORP LUST \$106802053 WSW 20705 SOUTHFIELD LUST N/A

1/4-1/2 0.303 mi. 1601 ft.

Relative: LUST:

Lower Facility ID: 00010539

SOUTHFIELD, MI 48180

Source: STATE OF MICHIGAN

Actual: Owner Name: Simon Stores Corp

669 ft. Owner Address: 24501 Ecorse Rd

Owner City,St,Zip: Taylor, MI 48180

Owner City,St,Zip: Taylor, MI 48180
Owner Contact: Not reported
Owner Phone: (248) 355-2000

Country: USA

District: SE Michigan District Office
Site Name: Shell Service Station
Latitude: 42.4446730000
Longitude: -83.2205290000
Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-0530-96
Release Date: Jul 31 1996
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Apr 13 2005

Leak Number: C-1474-85
Release Date: Oct 22 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Apr 13 2005

Leak Number: C-2105-91
Release Date: Oct 22 1991
Substance Released: Unknown,Unknown

Release Status: Closed
Release Closed Date: Apr 13 2005

5 MOBIL LUST \$105972095 WSW 18111 WEST 8 MILE RD LUST \$105972095

1/4-1/2 DETROIT, MI 48219 0.322 mi.

1699 ft.

Relative: LUST:

Lower Facility ID: 00016635

Source: STATE OF MICHIGAN

Actual: Owner Name: A&N Oil Company
668 ft. Owner Address: 30401 Utica Rd
Owner City,St,Zip: Roseville, MI 48066

Owner City,St,Zip: Roseville, MI 480 Owner Contact: Not reported Owner Phone: (586) 498-9670

Country: USA

District: SE Michigan District Office

**EDR ID Number** 

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**MOBIL** (Continued) S105972095

Site Name: Mobil Oil SS #03-jtr 42.4439300000 Latitude: Longitude: -83.2206100000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 **POINT** Point Line Area:

Desc Category: Plant Entrance (Freight)

Leak Number: C-0641-91 Release Date: Apr 15 1991 Substance Released: Not reported Release Status: Open Release Closed Date: Not reported

C-0827-99 Leak Number: Release Date: Aug 25 1999 Substance Released: Unknown Release Status: Open Release Closed Date: Not reported

В6 **HOME DEPOT USA INC** LUST U002302608 East 16400 W 8 MILE RD UST N/A

1/4-1/2 0.382 mi. 2017 ft.

Site 1 of 2 in cluster B

SOUTHFIELD, MI 48075

LUST: Relative: Facility ID:

00038838 Equal Source: STATE OF MICHIGAN

Actual: Owner Name: Home Depot USA Inc 672 ft.

% DAWDA MANN ATTN T TENNEN Owner Address: Owner City,St,Zip: BLOOMFIELD HILLS, MI 48304

Owner Contact: Not reported Owner Phone: ()-Country: USA

SE Michigan District Office District: Home Depot Northland Site Name: 42.4448160000 Latitude: Longitude: -83.2104910000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Leak Number: C-1324-95 Release Date: Oct 3 1995 Substance Released: Gasoline Release Status: Closed Release Closed Date: Dec 21 1995

C-1326-95 Leak Number: Sep 26 1995 Release Date: Substance Released: Diesel

**EDR ID Number** 

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

### **HOME DEPOT USA INC (Continued)**

U002302608

**EDR ID Number** 

Release Status: Closed
Release Closed Date: Dec 21 1995

UST:

 Facility ID:
 00038838

 Facility Type:
 CLOSED

 Latitude:
 42.4448160000

 Longitude:
 -83.2104910000

 Owner Name:
 Home Depot USA Inc

Owner Address: % DAWDA MANN ATTN T TENNEN
Owner City,St,Zip: BLOOMFIELD HILLS, MI 48304

Owner Country: USA

Owner Contact: Not reported

Owner Phone: ()-

Contact: P DAVID TANNER
Contact Phone: (847) 413-4968
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Not reported Capacity: Install Date: Not reported Product: Diesel Remove Date: Oct 1 1994 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported Constr Material: Unknown Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Not reported Capacity: Install Date: Not reported Product: Diesel Remove Date: Oct 1 1994 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Not reported Piping Type: Unknown Constr Material: Impressed Device: No

Tank ID: 3

Tank Status: Removed from Ground

Capacity: Not reported Install Date: Not reported Product: Gasoline

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**HOME DEPOT USA INC (Continued)** 

U002302608

**EDR ID Number** 

Remove Date: Oct 1 1994 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported Constr Material: Unknown Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: Not reported Install Date: Not reported Product: Gasoline Oct 1 1994 Remove Date: Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported Constr Material: Unknown Impressed Device: No

Tank ID: Phantom

Tank Status: Non-Registered Tank

Capacity: Not reported Install Date: Not reported Product: Unknown Remove Date: Not reported Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Not reported Piping Type: Not reported Constr Material: Not reported

Impressed Device: No

**B7 HOME DEPOT** BEA S106521735 16400 WEST 8 MILE ROAD **East** N/A

1/4-1/2 SOUTHFIELD, MI

0.382 mi.

2017 ft.

BEA: Relative:

Equal

Secondary Address: Not reported

Site 2 of 2 in cluster B

BEA Number: 2461

Actual: District: Southeast MI 672 ft.

Date Received: 7/20/2004 12:59:00 AM Submitter Name: Greenfield - 8 Mile Plaza, LLC

Petition Determination: Affirmed Petition Disclosure:

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: mitchelf

Division Assigned: Storage Tank Division Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

8 R & T MINI MART INC LUST U003321952 WSW 18321 W 8 MILE RD UST N/A

1/4-1/2 0.461 mi. 2434 ft.

Actual:

661 ft.

Relative: LUST:

Lower Facility ID: 00010567

DETROIT, MI 48219

Source: STATE OF MICHIGAN
Owner Name: R & T Mini Mart Inc
Owner Address: 18321 W 8 Mile Rd
Owner City, St, Zip: Detroit, MI 48219-1511

Owner Contact: Not reported
Owner Phone: (313) 537-2760

Country: USA

District: SE Michigan District Office
Site Name: R & T Mini Mart Inc
Latitude: 42.4438670000
Longitude: -83.2227370000
Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83

Point Line Area: NAD83

Desc Category: Plant Entrance (Freight)

Leak Number: C-0015-90
Release Date: Jan 3 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1230-98
Release Date: Dec 1 1998
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

 Facility ID:
 00010567

 Facility Type:
 ACTIVE

 Latitude:
 42.4438670000

 Longitude:
 -83.2227370000

 Owner Name:
 R & T Mini Mart Inc

 Owner Address:
 18321 W 8 Mile Rd

 Owner City,St,Zip:
 Detroit, MI 48219-1511

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 537-2760

Contact: TARE BAZZIR & RABIHA BAZZI

Contact Phone: (313) 537-2760
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

**EDR ID Number** 

AUL

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

R & T MINI MART INC (Continued)

U003321952

Tank ID:

**Removed from Ground** Tank Status:

Capacity: 10000 Install Date: Dec 16 1970 Product: Gasoline Remove Date: Dec 5 1998 Tank Release Detection: Not reported Pipe Realease Detection: Not reported

Piping Material: Fiberglass reinforced plastic

Piping Type: Not reported

Constr Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 10000 Install Date: Apr 16 1980 Product: Gasoline Dec 5 1998 Remove Date: Tank Release Detection: Not reported Pipe Realease Detection: Not reported

Piping Material: Fiberglass reinforced plastic

Piping Type: Not reported

Constr Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

10000 Capacity: Install Date: Apr 16 1980 Product: Gasoline Remove Date: Dec 5 1998 Tank Release Detection: Not reported Pipe Realease Detection: Not reported

Piping Material: Fiberglass reinforced plastic

Piping Type: Not reported

Fiberglass Reinforced plastic Constr Material:

Impressed Device: No

Tank ID:

**Removed from Ground** Tank Status: Capacity: 1000

Install Date: Apr 16 1985 Product: Used Oil Remove Date: Dec 5 1998 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Galvanized Steel Piping Material:

Piping Type: Not reported Fiberglass Reinforced plastic Constr Material:

Impressed Device:

Tank ID: 5 Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

R & T MINI MART INC (Continued)

U003321952

**EDR ID Number** 

Tank Status: Currently In Use

Capacity: 45

Install Date: Apr 16 1980
Product: HOIST OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: NONE
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 6

Tank Status: Currently In Use

Capacity: 45

Install Date: Apr 16 1978
Product: HOIST OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: NONE
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 7

Tank Status:

Capacity:
Install Date:
Product:
Remove Date:
Tank Release Detection:

Currently In Use
12000
Jan 20 1999
Gasoline
Not reported
Manual Tank Gauging

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled

Piping

Piping Material: Double Walled Piping Type: Pressure

Constr Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID:

Tank Status: Currently In Use

Capacity: 8000
Install Date: Jan 20 1999
Product: Gasoline
Remove Date: Not reported

Tank Release Detection: Manual Tank Gauging

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled

Piping Double Walled Pressure

Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic

Impressed Device: No

Piping Material:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

### R & T MINI MART INC (Continued)

U003321952

**EDR ID Number** 

Tank ID:

**Currently In Use** Tank Status:

6000 Capacity: Install Date: Jan 20 1999 Product: Diesel Remove Date: Not reported Tank Release Detection: Manual Tank Gauging

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled

**Piping** 

Piping Material: **Double Walled** Piping Type: Pressure

Constr Material: Fiberglass Reinforced plastic

Impressed Device: No

Tank ID: 10

Tank Status: **Currently In Use** 

Capacity: 6000 Install Date: Jan 20 1999 Product: Kerosene Remove Date: Not reported

Tank Release Detection: Manual Tank Gauging

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring Double Walled

Piping

Double Walled Piping Material: Piping Type: Pressure

Constr Material: Fiberglass Reinforced plastic

Impressed Device:

Tank ID: Phantom

**Tank Status:** Non-Registered Tank

Capacity: Not reported Install Date: Not reported Unknown Product: Remove Date: Not reported Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Not reported Piping Type: Not reported Constr Material: Not reported

Impressed Device: No

AUL:

Status: Pending Site Name: Not reported Property: On Site Land Use Restriction Type: RC Part 213 Program Type: Program Support Assigned User: Not reported Program Support Assigned Date: Not reported Legal Description Of Property: Not reported Based On The Deq Ref #: 11121309073 MDEQ Reference Number: RC-RRD-213-09-073

Property Or Description Restricted Area: Not reported Lead Division: **RRD** File Name Of Hyperlinked Legal Doc: Not reported Map ID MAP FINDINGS

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

R & T MINI MART INC (Continued)

U003321952

Mapped Polygon S Area In Acres: Not reported Mapped Polygon S Area In Square Miles: Not reported Date Data Entry Started: Not reported Date Data Entry Finished: Not reported

Individual Or Staff Assoc With The Mapping:

Program Used To Map Restricted Features:

Map Comments:

Comment:

Date Legal Paperwork Stamped/Filed/Register Of Deeds:

Not reported
Requested 5/1/09

Not reported

Commercial I Land Use Restriction: Commercial li Land Use Restriction: 0 Commercial lii Land Use Restriction: 0 Commercial Iv Land Use Restriction: 0 Industrial Land Use Restriction: 0 Residential Land Use Restriction: 0 Recreational Land Use Restriction: 0 Multiple Land-Use Restrictions: 0 Site Specific Restrictions: 0 Groundwater Consumption Restrictions: 0 **Groundwater Contact Restrictions:** Special Well Construction Requirements: 0 Special Building Restrictions: **Excavation And Soil Movement Restrictions:** 0 Soil Movement Requirements: 0 There Is A Restriction On All Construction: 0 Monitoring Well Protected, No Tampering Or Removal: 0 There Is An Exposure Barrier In Place: 0 There Is A Health And Safety Plan: 0 There Is A Permanent Marker On The Site: 0

#### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OAK PARK	U003323698	MOBIL STATION #03LY8	13500TH 8 MILE & COOLIDGE	48237	LUST, UST
OAK PARK	S110300753	21100 COOLIDGE HOLDINGS, LLC	2100 COOLIDGE HWY	48237	BEA
OAK PARK	1000528830		15000 8 MILE	48237	RCRA-CESQG, FINDS
OAK PARK	S105144548	DETROIT ARTILLERY ARMORY	15000 W MILE	48237	SHWS
SOUTHFIELD	1010785296	WOODS BROKERAGE	21460 W 8 MILE RD	48075	RCRA-CESQG
SOUTHFIELD	S105144557	SPECIAL MACHINE & ENG. (ARLINGTON	19860 EIGHT MILE RD	48075	SHWS
SOUTHFIELD	1007101909		23201 8 MILE RD	48075	RCRA-NonGen
SOUTHFIELD	1001088691		10 RAMP UNDER 9 MILE RD	48075	RCRA-NonGen, FINDS
SOUTHFIELD	1010320230	MI DEPT/TRANSPORTATION	10 RAMP UNDER RAMP		RCRA-CESQG
SOUTHFIELD	1007102589		10 RAMP H OVER		RCRA-NonGen
SOUTHFIELD	1000342541		USHY 10 RAMP UNDERNB	48075	RCRA-NonGen, FINDS
SOUTHFIELD	1000342544		USHY 10 RAMP SBFROM	48075	RCRA-NonGen, FINDS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2010 Source: EPA
Date Data Arrived at EDR: 04/02/2010 Telephone: N/A

Date Made Active in Reports: 04/12/2010 Last EDR Contact: 07/14/2010

Number of Days to Update: 10 Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2010 Source: EPA
Date Data Arrived at EDR: 04/02/2010 Telephone: N/A

Date Made Active in Reports: 04/12/2010 Last EDR Contact: 07/14/2010

Number of Days to Update: 10 Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 08/16/2010

Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: No Update Planned

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2010 Date Data Arrived at EDR: 04/02/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 10

Source: EPA Telephone: N/A

Next Scheduled EDR Contact: 10/25/2010 Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Last EDR Contact: 07/14/2010

Date of Government Version: 01/29/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010

Number of Days to Update: 62

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 09/02/2010

Next Scheduled EDR Contact: 10/11/2010 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 01/15/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 26

Source: Environmental Protection Agency Telephone: 703-603-8704

Telephone: 703-603-8704 Last EDR Contact: 07/21/2010

Next Scheduled EDR Contact: 10/25/2010 Data Release Frequency: Varies

#### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009 Date Data Arrived at EDR: 09/02/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 19

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 09/02/2010

Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2010 Date Data Arrived at EDR: 03/31/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 57

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 08/16/2010

Next Scheduled EDR Contact: 11/29/2010 Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 08/19/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 08/19/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 08/19/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 08/19/2010

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009 Date Data Arrived at EDR: 01/20/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/14/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/20/2009 Date Data Arrived at EDR: 01/20/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 06/14/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010 Date Data Arrived at EDR: 07/09/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 39

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 07/09/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Annually

### State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 08/02/2010 Date Data Arrived at EDR: 08/03/2010 Date Made Active in Reports: 08/06/2010

Number of Days to Update: 3

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/03/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Semi-Annually

### State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/12/2010 Date Data Arrived at EDR: 07/13/2010 Date Made Active in Reports: 08/02/2010

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 07/08/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Semi-Annually

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/21/2010 Date Data Arrived at EDR: 05/25/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 15

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 08/24/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2010 Date Data Arrived at EDR: 05/28/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/19/2010 Date Data Arrived at EDR: 05/21/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/04/2010 Date Data Arrived at EDR: 05/05/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 22

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/03/2010 Date Data Arrived at EDR: 05/05/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 22

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 08/02/2010

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009 Date Data Arrived at EDR: 05/04/2010 Date Made Active in Reports: 07/07/2010

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/11/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010 Date Data Arrived at EDR: 05/27/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 74

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

#### State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/21/2010 Date Data Arrived at EDR: 05/25/2010 Date Made Active in Reports: 06/15/2010

Number of Days to Update: 21

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 08/24/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/05/2010 Date Data Arrived at EDR: 03/12/2010 Date Made Active in Reports: 04/14/2010

Number of Days to Update: 33

Source: Department of Natural Resources & Environment

Telephone: 517-373-8168 Last EDR Contact: 08/04/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: No Update Planned

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010 Date Data Arrived at EDR: 05/27/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 74

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 12/30/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 76

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/11/2010

#### INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

#### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2010 Date Data Arrived at EDR: 05/28/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 73

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

#### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/19/2010 Date Data Arrived at EDR: 05/21/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 80

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Semi-Annually

#### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/04/2010 Date Data Arrived at EDR: 05/05/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 22

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Quarterly

### INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/03/2010 Date Data Arrived at EDR: 05/05/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 22

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Semi-Annually

#### INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010 Date Data Arrived at EDR: 02/11/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 60

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 08/02/2010

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/19/2010

Next Scheduled EDR Contact: 11/01/2010 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 07/02/2010 Date Data Arrived at EDR: 07/07/2010 Date Made Active in Reports: 08/02/2010

Number of Days to Update: 26

Source: Department of Natural Resources & Environment

Telephone: 517-373-4828 Last EDR Contact: 06/07/2010

Next Scheduled EDR Contact: 09/20/2010 Data Release Frequency: Varies

### State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 07/08/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 06/01/2010 Date Data Arrived at EDR: 06/01/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 8

Source: Department of Natural Resources & Environment

Telephone: 517-373-4805 Last EDR Contact: 08/30/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007 Date Data Arrived at EDR: 04/10/2007 Date Made Active in Reports: 05/01/2007

Number of Days to Update: 21

Source: Economic Development Corporation

Telephone: 888-522-0103 Last EDR Contact: 06/21/2010

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010 Date Data Arrived at EDR: 06/25/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 06/25/2010

Next Scheduled EDR Contact: 10/11/2010 Data Release Frequency: Semi-Annually

### Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 800-424-9346

Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 07/28/2010

Next Scheduled EDR Contact: 09/20/2010 Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997 Date Data Arrived at EDR: 02/28/2003 Date Made Active in Reports: 03/06/2003

Number of Days to Update: 6

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 02/28/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 08/23/2010

Next Scheduled EDR Contact: 11/22/2010

Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010 Date Data Arrived at EDR: 06/18/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/08/2010

Next Scheduled EDR Contact: 09/20/2010 Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/04/2010 Date Data Arrived at EDR: 08/04/2010 Date Made Active in Reports: 08/06/2010

Number of Days to Update: 2

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 11/21/2008

Number of Days to Update: 3

Source: Department of Community Health

Telephone: 517-373-3740 Last EDR Contact: 08/03/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010 Date Data Arrived at EDR: 05/11/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 90

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 08/02/2010

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 08/23/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC \* 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 03/30/2010 Date Data Arrived at EDR: 04/30/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 40

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 04/26/2010

Next Scheduled EDR Contact: 08/09/2010 Data Release Frequency: Varies

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010 Date Data Arrived at EDR: 04/07/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 50

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 07/09/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 12/18/2009 Date Data Arrived at EDR: 07/23/2010 Date Made Active in Reports: 08/02/2010

Number of Days to Update: 10

Source: Department of Natural Resources & Environment

Telephone: 517-373-8427 Last EDR Contact: 06/14/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Quarterly

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010 Date Data Arrived at EDR: 02/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 87

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 08/19/2010

Next Scheduled EDR Contact: 10/18/2010

Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010 Date Data Arrived at EDR: 02/09/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/11/2010

Next Scheduled EDR Contact: 11/22/2010 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 703-692-8801

Last EDR Contact: 07/22/2010

Next Scheduled EDR Contact: 11/01/2010 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 09/30/2009 Date Made Active in Reports: 12/01/2009

Number of Days to Update: 62

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 08/12/2010

Next Scheduled EDR Contact: 09/27/2010

Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010 Date Data Arrived at EDR: 04/19/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 28

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 07/08/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 08/17/2010

Number of Days to Update: 62

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/16/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 1

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 09/01/2010

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/07/2010 Date Data Arrived at EDR: 06/09/2010 Date Made Active in Reports: 08/30/2010

Number of Days to Update: 82

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 06/09/2010

Next Scheduled EDR Contact: 09/20/2010 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/13/2010 Date Made Active in Reports: 02/18/2010

Number of Days to Update: 36

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 09/01/2010

Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 07/07/2010

Next Scheduled EDR Contact: 10/11/2010 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/30/2010

Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/30/2010

Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/06/2010 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 08/16/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010 Date Data Arrived at EDR: 04/29/2010 Date Made Active in Reports: 05/17/2010

Number of Days to Update: 18

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 06/25/2010

Next Scheduled EDR Contact: 10/11/2010 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/01/2010 Date Data Arrived at EDR: 04/22/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 109

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/30/2010

Next Scheduled EDR Contact: 11/01/2010 Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010 Date Data Arrived at EDR: 04/06/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 51

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 06/14/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 08/09/2010

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/14/2010

Next Scheduled EDR Contact: 10/25/2010 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 41

Source: EPA

Telephone: (312) 353-2000 Last EDR Contact: 07/07/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/25/2010 Date Made Active in Reports: 05/12/2010

Number of Days to Update: 76

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 08/24/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Biennially

### UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 02/02/2010 Date Data Arrived at EDR: 03/03/2010 Date Made Active in Reports: 03/23/2010

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-241-1515 Last EDR Contact: 08/02/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments
A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/28/2010 Date Data Arrived at EDR: 05/17/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 23

Source: Department of Natural Resources & Environment

Telephone: 517-335-4586 Last EDR Contact: 07/26/2010

Next Scheduled EDR Contact: 11/08/2010 Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm

Water permits.

Date of Government Version: 07/13/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 08/02/2010

Number of Days to Update: 19

Source: Department of Natural Resources & Environment

Telephone: 517-241-1300 Last EDR Contact: 07/14/2010

Next Scheduled EDR Contact: 10/25/2010

Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

> Date of Government Version: 07/13/2010 Date Data Arrived at EDR: 07/14/2010 Date Made Active in Reports: 08/06/2010

Number of Days to Update: 23

Source: Department of Natural Resources & Environment

Telephone: 517-373-7074 Last EDR Contact: 07/09/2010

Next Scheduled EDR Contact: 10/11/2010 Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 05/27/2010 Date Data Arrived at EDR: 05/28/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 12

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/23/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/22/2010

Next Scheduled EDR Contact: 11/01/2010 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 05/12/2010 Date Data Arrived at EDR: 05/13/2010 Date Made Active in Reports: 08/17/2010

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 08/23/2010

Next Scheduled EDR Contact: 11/08/2010

Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/22/2010

Next Scheduled EDR Contact: 11/01/2010

Data Release Frequency: N/A

FINANCIAL ASSURANCE: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 05/04/2010 Date Data Arrived at EDR: 05/06/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 34

Source: Department of Natural Resources & Environment

Telephone: 517-335-6610 Last EDR Contact: 07/12/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 07/12/2010 Date Data Arrived at EDR: 07/13/2010 Date Made Active in Reports: 08/02/2010

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 07/08/2010

Next Scheduled EDR Contact: 10/18/2010 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009 Date Data Arrived at EDR: 12/18/2009 Date Made Active in Reports: 02/10/2010

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 06/14/2010

Next Scheduled EDR Contact: 09/27/2010 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 08/10/2010

Next Scheduled EDR Contact: 11/15/2010 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/21/2010

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/19/2010 Date Data Arrived at EDR: 04/19/2010 Date Made Active in Reports: 06/09/2010

Number of Days to Update: 51

Source: Department of Natural Resources & Environment

Telephone: 586-753-3754 Last EDR Contact: 07/12/2010

Next Scheduled EDR Contact: 10/25/2010 Data Release Frequency: Varies

### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A Source: EDR, Inc.

Date Data Arrived at EDR: N/A Telephone: N/A

Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/25/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/22/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 07/22/2010

Next Scheduled EDR Contact: 11/01/2010 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 04/30/2010 Date Data Arrived at EDR: 05/13/2010 Date Made Active in Reports: 06/21/2010

Number of Days to Update: 39

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/11/2010

Next Scheduled EDR Contact: 11/22/2010 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/14/2009

Number of Days to Update: 13

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 08/23/2010

Next Scheduled EDR Contact: 12/06/2010 Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/19/2010 Date Made Active in Reports: 08/26/2010

Number of Days to Update: 38

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/30/2010

Next Scheduled EDR Contact: 12/13/2010 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 07/06/2010 Date Made Active in Reports: 07/26/2010

Number of Days to Update: 20

Source: Department of Natural Resources Telephone: N/A

Last EDR Contact: 06/21/2010

Next Scheduled EDR Contact: 10/04/2010 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp. Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

## **TARGET PROPERTY ADDRESS**

20830 RUTLAND DRIVE 20830 RUTLAND DRIVE SOUTHFIELD, MI 48075

## **TARGET PROPERTY COORDINATES**

Latitude (North): 42.44580 - 42° 26' 44.9" Longitude (West): 83.2144 - 83° 12' 51.8"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 317885.1 UTM Y (Meters): 4701436.5

Elevation: 672 ft. above sea level

## **USGS TOPOGRAPHIC MAP**

Target Property Map: 42083-D2 ROYAL OAK, MI

Most Recent Revision: 1996

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

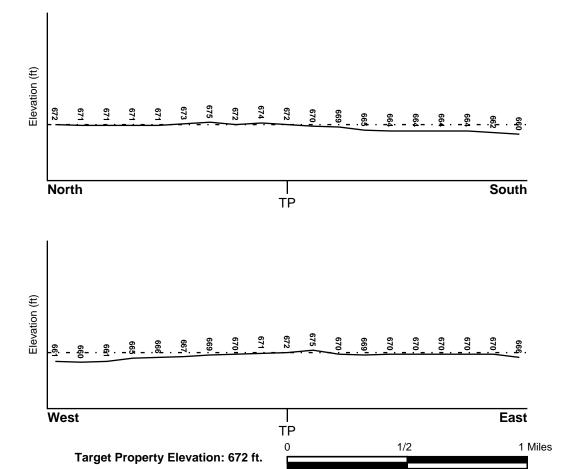
## **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood Electronic Data

Target Property County
OAKLAND, MI

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

26125C - FEMA DFIRM Flood data

Additional Panels in search area:

2602220005B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Electronic

**NWI Quad at Target Property** 

Data Coverage

**ROYAL OAK** 

YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

<sup>\*©1996</sup> Site—specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

## **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

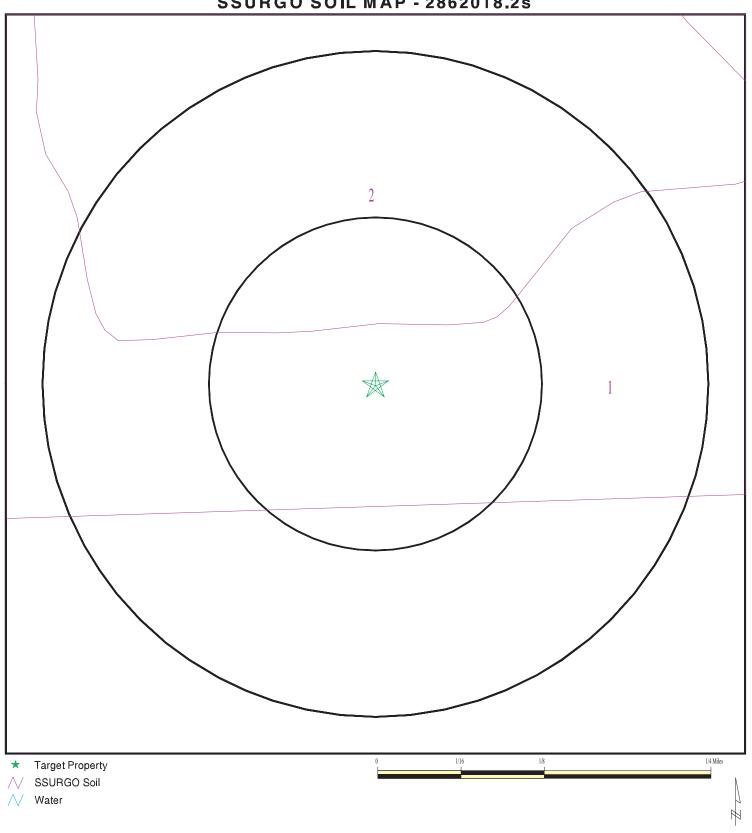
Era: Paleozoic Category: Stratified Sequence

System: Mississippian

Series: Osagean and Kinderhookian Series
Code: M1 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 2862018.2s**



SITE NAME: 20830 Rutland Drive ADDRESS: 20830 Rutland Drive

Southfield MI 48075 LAT/LONG: 42.4458 / 83.2144

CLIENT: Soil & Materials Engineers CONTACT: Johnny Phanthala INQUIRY #: 2862018.2s

September 03, 2010 10:09 am DATE:

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class:

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

No Layer Information available.

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

No PWS System Found

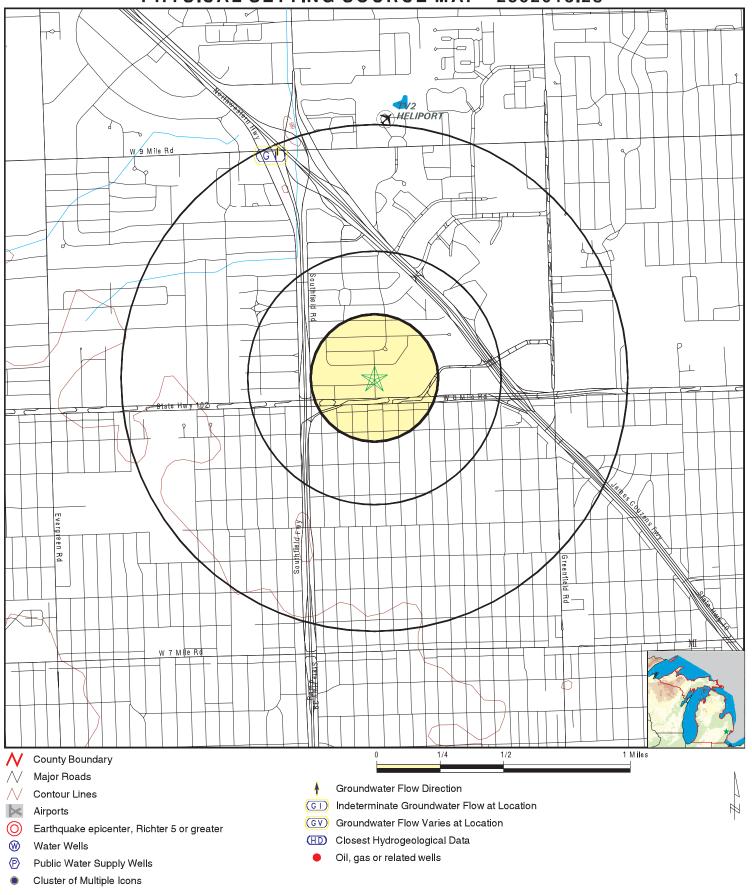
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID WELL ID FROM TP

No Wells Found

# PHYSICAL SETTING SOURCE MAP - 2862018.2s



SITE NAME: 20830 Rutland Drive
ADDRESS: 20830 Rutland Drive
Southfield MI 48075

CLIENT: Soil & Materials Engineers
CONTACT: Johnny Phanthala
INQUIRY #: 2862018.2s

LAT/LONG: 42.4458 / 83.2144 DATE: September 03, 2010 10:09 am

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance Elevation

Database EDR ID Number

No Wells or Aquiflow sites reported.

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Test Type	Zip	Floor	Stop Date	Can	1 Res pCi/L	Can 1 Error	Can 2 Res pCi/L	Can 2 Error
	_							
Random	48075	0	4/26/87	LT	0.5			
Random	48075	1	1/8/88	LT	0.5			
Random	48075	0	12/24/87	0.9		22.4%		
Random	48075	0	1/8/88	1.3		15.5%		
Random	48075		3/5/88	1.5		12.3%		
Geographic	48075	0	3/11/88	1.1		20.8%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
_		
48075	<	0.30
48075		1.00
48075		1.50
48075		1.00
48075		0.50
48075		0.90
48075	<	0.30
48075		20.60
48075		2.30
48075		2.00
48075		0.50

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48075

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.125 pCi/L	75%	25%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

## FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

## OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Natural Resources and Environment

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

## **RADON**

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

**EPA Radon Zones** 

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## STREET AND ADDRESS INFORMATION

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# APPENDIX E INTERVIEW DOCUMENTATION **USER QUESTIONNAIRE** OWNER/OCCUPANT QUESTIONNAIRE

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# PHASE I ENVIRONMENTAL ASSESSMENT (ESA) PROPERTY OWNER/OCCUPANT QUESTIONNAIRE

This questionnaire concerns the current and historical uses and conditions of the referenced property and will be included within the Phase I ESA report. Questionnaire answers should be based upon the owner/occupant's reasonable knowledge of current and historical use and activities at the property.

<ol> <li>Indicate "NA" (not applicable), if appropriate.</li> <li>Attach additional pages with your signature if additional space is required.</li> </ol>
Property Name: Proposed Adult Day Care and Senior Housing
Property Location: 20830 Rutland Drive Southfield MI
County: OAKLAND State: MICHIGAN
Questionnaire Completed By/Title: Al Aceves / EXECUTIVE DIRECTOR
Questionnaire Completed By/Title: Al Aceves / EXECUTIVE DIRECTOR  Company/ Phone Number: Corners tone Development Buthority/248-796.5192
On Behalf Of (if applicable):
Year of Purchase/Lease (circle one): June 7, 2007
Time Period of Site Knowledge: 4/ Mouths
Names/Phone Numbers of Former Owners/Occupants:  Owners: Lighthouse Community Church of God
Occupants:
Names/Phone Numbers of other persons who have knowledge of property history: Mich - Man My - n
Property Description and Use
1. Provide a general description of the property:  Undeveloped Vacant U Wooded U Buildings U Other  2. Describe the attention of the property:
2. Describe the structures present on the property (number, size, and construction date):

Instructions:

1.

Fill in all blanks.

3.	Iden			ilable to the property (check box and indicate provider):
1	X,	Sanita	ry Sewer	
	D	Storm	Sewer:	
	X			er:
4.	Are	there an	y easemo	ents at the property?:
		Yes	≥ No	
	If y	es, when	re are the	easements located?:
5.				knowledge, identify if the following were formerly (F) or are currently (C) roperty. Select NA if not applicable to the property.
	F	C	NA	On-site water supply wells
	F	$\mathbf{C}$	NA	Septic fields, drain fields, or dry wells
	F	C	NA	Abandoned wells
	F	C	NA	Lagoons, settling ponds Monitoring wells Underground sumps, lines, basins, or tanks Aboveground storage tanks (ASTs)
	F	C	NA	Monitoring wells
	F	C	NA	Underground sumps, lines, basins, or tanks
	F	C	NA	
	F F	C	NA NA	Transformers or capacitors
	F	C	NA NA	Other PCB containing equipment Mines or pits
	F	Č	NA	Hidden chemical materials or wastes
	F	Č	NA	Dumps or landfills
	F	$\check{\mathbf{c}}$	NA	Oil or gas wells or test holes
	F	C	NA	Unusual fill areas, such as foundry sand, etc.
	F	C	NA	Barrel or drum storage areas
6.		What is	the gene	eral use of property:
		☐ Inc	dustrial	⊠ Commercial □ Residential □ Other
7.		What p	roducts/s	ervices are produced/provided at the property?:
8.		What ty	pe of on	-site processes are used at the property?: Nore
9.		What ty	pes of ea	quipment are used at the property?: None
10.		What ra	w mater	ials are used at the property?:No_NC

11. Are	there any environmen	ntal permits (e.g. sol	id waste disposal,	hazardous waste disposa
w	astewater, NPDES, etc.	) associated with the pr	roperty?:	
	Yes	No		
If yes	s, list the applicable per			
Property	and Adjoining Prope	rties - Current and H		
12. Are t	here any liquid or solid	wastes generated at the	property?	
		No D	-/	
If yes	s, please list the monthly			
-				
13. Is the	property or any adjoini	ng property currently u	sed for an industrial	use?
[	Yes D	No D	Unknown	
Ü	Property   Adjoining			
If yes	s, explain briefly:			
14. Is the	e property or any adjoin nercial printing facility, e treatment, storage, dis	ing property currently dry cleaners, photo de posal, processing, or re	used as a gasoline st veloping laboratory cycling facility?	ation, vehicle repair facilit, junkyard or landfill, or as
[	Yes 🔏	No 13	Unknown	
	Property   Adjoining			
If yes	s, explain briefly:			
-				
Please co	omplete the current land	use table below:		
		Name/Owne	er	Land Use
Prope	rty			
	adjoining properties			
	adjoining properties			
	djoining properties			
	adjoining properties			

ty historically been used as, dry cleaners, photo develop	
ty historically been used as	
ty historically been used as	
ty historically been used as , dry cleaners, photo develop	=1:1:1
sposal, processing, or recyclin	a gasoline station, vehicle sing laboratory, junkyard on g facility?
Unknown	
,	
low:	
ner Use	Dates
previously, any damaged o other chemicals (individual red on or used at the property	or discarded automotive of containers greater than or at the facility?
Unknown	
	previously, any damaged of other chemicals (individual red on or used at the property

	Yes		No	1	Unknown
If yes,	describe th	ne chemicals	stored on		(volume, contents and dates of storage):_
or induburned	ustrial batt /incinerate	teries, or and on the proper	y other v perty?	eum products waste materia	, unidentified waste materials, tires, automoted als been dumped above grade, buried, and
	Yes		No	J.	Unknown
If yes,	identify th	e location an	d date(s):		
(above	ground or	underground	) located	on the proper	7
	Yes		No	Z	Unknown
If yes,	-		, ,		s) of removal (if applicable):
ground on the	l, areas of property?	patched conc	crete or as	phalt, or acce	any vent pipes, fill pipes protruding from ess ways indicating an underground storage to
ground on the	l, areas of property? Yes	patched cond	orete or as	phalt, or acce	ess ways indicating an underground storage to Unknown
ground on the	l, areas of property? Yes	patched cond	orete or as	phalt, or acce	ess ways indicating an underground storage to
ground on the	l, areas of property?  Yes  identify th	patched cond	No	phalt, or acce	Unknown
ground on the	l, areas of property?  Yes  identify th	patched cond	No	phalt, or acce	ess ways indicating an underground storage to Unknown
ground on the  If yes,	l, areas of property? Yes identify there ere transfor	ne location:	No No itors, or h	ydraulic equi	Unknown  pment on the property?
ground on the  If yes,	l, areas of property? Yes identify there ere transfor	ne location:	No No itors, or h	ydraulic equi	Unknown  Unknown  Unknown  Unknown  Unknown
If yes,  If yes,	l, areas of property? Yes identify the ere transfor Yes are there a	ne location:	No No No ndicating	ydraulic equi	Unknown  Unknown  Unknown  Unknown  Unknown
If yes,  If yes,	l, areas of property? Yes identify the ere transfor Yes are there a	ne location:	No No No ndicating	ydraulic equi	Unknown  pment on the property?  Unknown  of PCBs?:

24.	Has fil onto th	l dirt be e proper	en brough ty that or	nt ont iginat	o the p ed fron	property the a contar	hat is o	of unknown o d site?	rigin?	Has fill	dirt beer	brought
		Yes			No		D	Unknown				
	If yes,	identify	the date a	nd lo	cation	of fill pla	cemen	::				_
25.	than w	ere curre ater, or f property	foul odor	ave th	nere be ociated	en previo with any	usly, a floori	ny leaks, spill ng, drains, wa	ls, or stalls, cei	aining b ilings, o	y substan r exposed	ces other grounds
		Yes			No		2	Unknown				
	If yes,	identify	the locati	on an	d dates	3;	ñ					
26.	treatm	ent or dis Yes	sposal loc	ated (	on the p	property?	1	y pits, ponds, Unknown				ith waste
27.	Exclud	ling stori ty discha	n water a	and sa	nitary r on or	waste dis adjacent	charge to the p	into an existi property?	ng stor	m/sanita	ıry sewer,	does the
	[]	Yes		Ц	No		/	Unknown				
	If yes,	describe	the type	of wa	stewat	er and ide	entify d	ischarge locat	tion:			_
28.	identif contan	ied in the ninated b	e well or y any gov	system	m that sent en	exceed ap vironmen	oplicab tal/hea	public water le guidelines? lth agency? Unknown ances:	Has t	he well	been desi	gnated as
	J ,					32,00001						

# **Previously Identified Environmental Conditions**

29.		ts, or e						existence of hazardous substances, petroleum to the property or any facility located on the
		Yes			No		1	Unknown
	If yes,	briefly (	explain:					
30.								ite assessment of the property that indicated the ucts on, or contamination of, the property?
		Yes		N	No			Unknown
	If yes,	briefly	explain:_					
31.	If the p		is in Mic	higan	, has a	Baseline	Enviro	onmental Assessment (BEA) been prepared for
		Yes		$\Box$	No		1	Unknown
	If yes,	briefly	explain:_					
32.	the rele	ease of	of any per any hazare property?	dous s	threate ubstance	ned, or pa	ist law oleum	vsuits or administrative proceedings concerning n products involving the property or any facility
	$\Box$	Yes		1	No		_ }	Unknown
	If yes,	briefly	explain:_					
33.	Do you recurre propert	ent viola	any know ations of e	ledge nviroi	nmental	laws wit	h resp	s or government notification relating to past o pect to the property or any facility located on the
		Yes		Z	No			Unknown
	If yes,	briefly	explain:_					

control		ions) tha	at are in place	at the	itations (engineering controls or institutional property and/or have been filed or recorded in
	Yes	N	o		Unknown
If yes,	identify limitation	/restrict	ion:		
AH	leeves				May 1
	Printed Name	· lo pu	es. f	2	Signature Ex Director
9-	S-10	27			Title
	Date				

SME Project No. PE54232C-06 20830 Rutland Drive, Southfield, MI

# PHASE I ENVIRONMENTAL ASSESSMENT - ALL APPROPRIATE INQUIRY **USER QUESTIONNAIRÉ**

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments to CERCLA), the User of a Phase I Environmental Site Assessment (ESA) must consider the issues discussed below as part of the User's All Appropriate Inquiry (AAI) to identify Recognized Environmental Conditions (RECs) associated with the Property. This information should be provided to the Environmental Professional conducting the Phase I ESA so that a complete report can be issued.

The User may decide not to provide this information to the Environmental Professional; however, the absence of the information will be noted in the Phase I ESA report and may affect assessment conclusions. Under these circumstances, it will be the User's responsibility to determine if the Phase I ESA results, combined with results from the tasks described below, is sufficient to satisfy the requirements of All Appropriate Inquiry as defined by federal statute and regulation.

## Instructions:

- I. Fill in all blanks,
- 2. Indicate "NA" (not applicable), if appropriate,
- 3. Attach additional pages with your signature if additional space is required.

Property Name: Proposed Adult Day Care and Senior Housing
Property Location: 20830 Rutland Drive, Southfield, MI
County: Oakland State: Michigan
Questionnaire Completed By/Title: TTORA DEADY MO
Company/Phone Number: RESTORATIVE REHAB 248-809-2853
On Behalf Of (if applicable):
Planned Date of Purchase/Lease (circle one);
Time Period of Site Knowledge: 4 MONTH.

SME Project No. PES4232C-06 20830 Rutland Drive, Southfield, MI

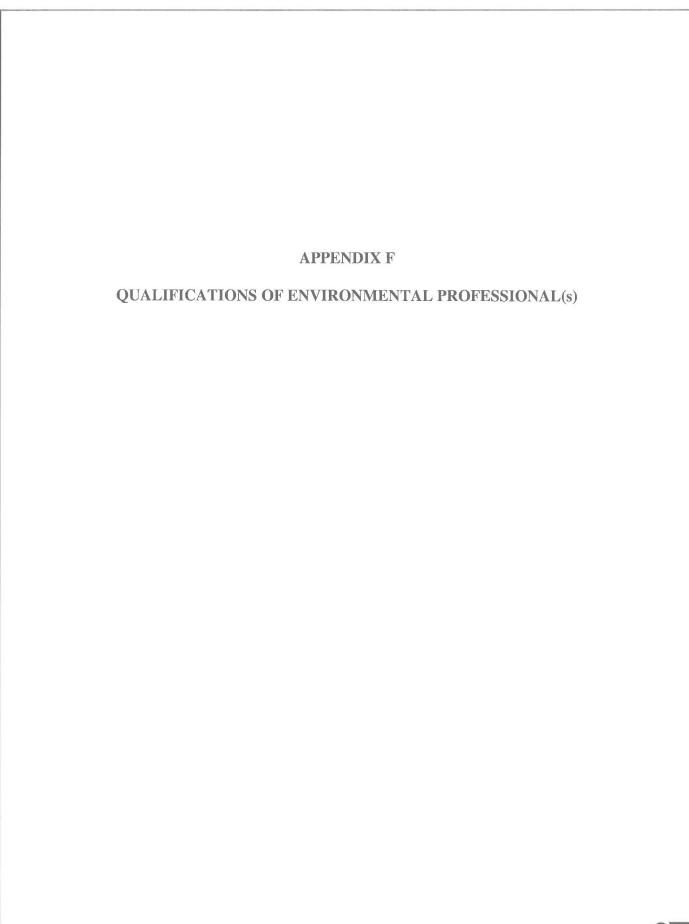
1. Reason for Phase I ESA	
The User of the requested Phase I ESA must make the reason for the Phase I ESA known to the	
Environmental Professional. Otherwise, it must be assumed that the reason is to qualify for an LLP to	
CERCLA liability. Please indicate the reason for this Phase I ESA of the Property.	
Due diligence/liability protection for purchase of the Property	
☐ Due diligence/liability protection for lease of the Property	
Mortgage loan or refinance	
Foreclosure	
Other; explain	
Li Cosace Welfstelle	
2. Recorded Environmental Cleanup Liens and Activity/Use Limitations	
The User is responsible to ascertain, through personal knowledge and/or a review of reasonably	
ascertainable recorded land and judicial records, if any environmental liens have been filed on the Property and if any activity or use limitations (AULs) have been placed on the Property because of	
environmental impact. You may engage a title company or other capable professional to undertake the	
review of reasonably ascertainable records on your behalf.	
Have you conducted, or arranged to have conducted, a review of land title records in which recorded	
liens and activity/use restrictions would be revealed?	
Yes 🗆 No	
If yes, please specify who conducted the review: FOWAL ENDINEERING	
· · · · · · · · · · · · · · · · · · ·	
The state of the s	7 n
If yes, please specify the types and locations of records reviewed:	$\cup Q$
Based on your personal knowledge and reviews of title records, are you aware of any environmental	
cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?	
☐ Yes ☑ No	
If yes, explain briefly:	
an gras orpitutes or soris	
Based on your personal knowledge and reviews of title records, are you aware of any activity and/or	
use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in	
place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local	
aw?	
□ Yes □ No	

SM	IE Proje	ct No.	PE54232C	-06
20830 F	Rutland	Drive,	Southfield,	M

	If yes, identify the land use limitations/restrictions:
3.	Specialized Knowledge and Experience
present Special could environthe Present	pecialized knowledge or experience of the User that could indicate, or create suspicion of, the ice environmental contamination on the Property must be considered as part of the AAI process dized knowledge or experience includes familiarity with historic activities on the Property that result in environmental impact, personal knowledge or experience that would indicate a risk of nmental impact associated with past Property uses, knowledge of the environmental history of operty, and any other information that could indicate environmental impact or threat of nmental impact on the Property.
	User of this environmental site assessment, do you have any specialized knowledge or ence related to the Property or adjoining properties?
	□ Yes ② No
	If yes, explain briefly:
<b>4</b>	Relationship of Purchase Price to Value
yalue proper	ically, environmentally contaminated properties often have been sold at prices below market to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a ty's sale price is significantly below market value without any obvious impairments or reasons reduced price, the potential for environmental impact as a cause of the reduced price must be ted.
Does t	he purchase price being paid for this Property reasonably reflect the fair market value of the ty?
	V Yes   No
	e is a significant negative difference, can you identify the reason for the reduced price versus. If "No" the Property may be assumed to be contaminated.
	□ Yes ☑ No

SME Project No. PE54232C-06 20830 Rutland Drive, Southfield, MI

asc cor cle	Commonly Known or Reasonably Ascertainable Information we you become aware, through conversations, rumor, etc., of any commonly known or reasonably certainable information within the local community that would indicate the Property could be ntaminated (e.g. types of past uses, presence of storage tanks, use of chemicals, environmental canups, etc.) or that any past event (e.g. fire, chemical spill, accident, etc.) could have resulted in vironmental impact of the Property or adjoining properties.
	√ Yes □ No
	If yes, explain briefly: MOVO INSIDE BULLINGS
	Proceedings Involving the Property you, the User of this environmental site assessment, based on your knowledge and experience ated to the property, have any knowledge of any of the following:
	Pending, threatened, or past litigation related to hazardous substances or petroleum products in, on or arising from the Property?
	□ Yes □ No
	If yes, explain briefly:
	Pending, threatened, or past administrative proceedings related to hazardous substances or petroleum products in, on or arising from the Property?
	□ Yes  □ No
	If yes, explain briefly:
Ė	Notices from any governmental entity regarding any possible violation of environmental laws or regulations or possible liability relating to hazardous substances or petroleum products in, on or arising from the Property?
	[] Yes [] No
	If yes, explain briefly:
	Flong Dean, MD
anne anne anné a la constante de la constante d	Printed Name Signature
	8/27/2010 Date
	Approximation of the second of





# **Manager Development Services**

Manages property development and redevelopment projects that benefit from such services as brownfield financial incentives consulting, environmental and geotechnical evaluations, property condition assessments, hazardous materials assessment, and construction materials testing. Provides cost-saving solutions to constructability and due care challenges through effective communication of combined environmental and geotechnical data. Special expertise in environmental property assessment including Phase I and Phase II Environmental Site Assessments (ESAs), Baseline Environmental Assessments (BEAs), and due care assessments.

## **Professional Qualifications:**

- > Manages development and redevelopment projects with special emphasis on assisting clients with due diligence related activities.
- > Leader on corporate Development/Redevelopment Market team, with focus on spurring local economic development and providing consulting services to make projects viable.
- > Skilled in preparation of compliance documents pursuant to SARA Title III.
- > Experienced in providing health and safety training to employees of manufacturing and industrial facilities.
- > Specialized in providing environmental property assessments to the development and healthcare industry.

## **Representative Project Experience:**

- > Performed and/or managed over 400 Phase I/II ESAs, BEAs, and due care evaluations for commercial and industrial sites in Michigan.
- > Provided development/redevelopment consulting for a major lender's branch expansion program in southeast Michigan, with special emphasis on resolving environmental due diligence and constructability challenges at over 40 sites in southeast Michigan.
- > Managed Phase I/II ESAs, BEAs, due care assessments and NEPA assessments for a major well-known cellular communications corporation at over 50 sites in southeast Michigan within a 12-month period.
- > Provided technical review of environmental due diligence reports for brownfield redevelopment projects in Michigan, including major redevelopments of 50+ acre industrial sites into mixed-use and residential developments.
- Managed Phase I/II ESAs, BEAs, due care assessments, asbestos and lead paint assessments, and drinking water evaluations for a branch of the United States government at over 30 sites across Michigan.
- > Provided oversight of subsurface contamination investigations related to underground storage tank releases for over 30 sites in southeast Michigan.
- > Prepared and/or reviewed SARA Title III compliance documentation for various automotive suppliers and plastics processing plants in southeast Michigan, as well as for a major automobile manufacturer.
- > Provided health and safety training pursuant to the OSHA Hazard Communication standard for a major automotive supplier in southeast Michigan.
- ❖ Career History: SME since 1996 G.R. Kunkle & Associates since 1992

Teaching Experience: Eastern Michigan University

40-Hour HAZWOPER Course

Education: B.S., Medical Physics, Oakland University

M.S., Hazardous Waste Management, Wayne State University

**Certifications:** Registered Environmental Manager (REM), National Registry of

**Environmental Professionals** 

\* Affiliations: Commercial Real Estate Women (CREW) Network - Detroit

2008 Past Presidents Council, 2006 President and National Delegate

\* Honors/Awards: "Athena Award" Nominee, 2007, Macomb Foundation

"40 Under 40" Competition Winner, 2006, Crain's Detroit Business

- "Most Influential Women of 2004," Business Direct Weekly
- "Industry Achievement Award," 2004, WSU College of Engineering



Staff Engineer

Provides field engineering services in support of earthwork, shallow and deep foundations including visual engineering classification and gradation analysis of soils. Provides construction materials testing services (CMS) and evaluations related to subgrade soils, engineered fill, foundations, concrete, pavements, masonry, reinforcing steel and post-tensioning.

## **Professional Qualifications:**

- ➤ Experienced in construction materials testing, including soil density, soil bearing, plastic concrete, maturity of concrete, bituminous asphalt density, and masonry.
- Experienced in field inspection of the installation of reinforcing steel and post tension tendons for cast-in-place concrete structures such as parking ramps and condominiums.
- > Experienced in field engineering of shallow and deep foundations, as well as subgrade evaluation for pavements.

# **Project Experience:**

- Staff engineer for the \$130 million Terminal Area and Parking Improvements project in Grand Rapids, Michigan. During the two-year project services included testing foundation subgrade soils for spread footings (5 ksf), density testing of engineered fill, plastic concrete with corrosion inhibitor testing, documenting reinforcing steel placed for foundations, foundation columns and walls, and post-tension beams and decks. Also documented the drape along the post-tension tendons layout and elongation of tendons during the stressing operations. Maturity meters were used for post-tensioned concrete decks to assist in determining the early compressive concrete strength before stressing operations began, usually with 24-hours of placement.
- > Staff engineer for the 2008 Academic project and Grand Valley State University Movement Sciences project in Allendale, Michigan. Services involved testing foundation subgrade soils for spread footings, density testing of engineered fill, proofroll observations, concrete testing and masonry observations.
- > Staff engineer for the Michigan Street Development and the Riverhouse Condominium projects in Grand Rapids, Michigan. Services involved testing foundation subgrade soils for spread footings, density testing of engineered fill, concrete testing, documenting reinforcing steel placed for foundations, foundation columns and walls, and post-tension beams and decks. Also documented post-tension tendon layout and drape along the elongation of tendons during the stressing operations.
- ❖ Career History: SME since June, 2006 SME 2004 Fall/Winter Co-op and 2005 Summer

Internship, Engineering Technician

**Education:** B.S., Civil and Environmental Engineering, University of Michigan

Certifications: Certified Level I Field Personnel for Unbonded Post-Tensioning – PTI

Certified Nuclear Density Meter Operator – Troxler Michigan Certified Aggregate Technician - MDOT

\* Affiliations: American Society of Civil Engineers

University of Michigan Alumni Association University of Michigan Club of Grand Rapids



- > Field engineer for Fountain Square in New Buffalo, Michigan. Condominiums were to be built on a deep foundation system. SME observed the installation of augered, cast-in-place piles and verified proper pile installation.
- ➤ Field engineer for Metro Hospital in Wyoming, Michigan. Services included documenting the foundation subgrades were suitable for design bearing pressure as well as verifying proper soil bearing capacity for foundations.
- > Performed gradation analysis for Highway M-6 and parts of Interstate 96.

